



PXP Low Ash 40W Natural Gas Compressor Oil

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Permian Production Lubricants' Gas Compressor Oil is a technologically superior lubricant for oil-flooded rotary compressors in natural compressors situated in harsh oilfield environments. Our technology rich blend Carries a low Total Acid Number (TAN) of .50 and it's Sulfated Ash tests at .47 making it among the very best in class in these two qualifying attributes. Further, due to the cationic technology included, our stationary gas compressor oils deliver a powerful thin film that protects against wear, reduces heat & friction, while it repels moisture, corrosion, varnish, and sludge. These behaviors increase efficiency, operating life span, and performance.

The Permian Extreme Pressure (PXP) additive package delivers unmatched lubricant film-to-metal pressure, friction, and corrosion protection through it's positive-charged (+) technology, which is attracted and bonds to metal's negatively charged (-) surfaces laying down a powerful EP film barrier between metal surfaces and other high pressure metal contact points, fluids, elements, solids, abrasives, and friction. SB-C9GC is formulated to provide the highest protection against oxidation, corrosion, heat, moisture, wear, gas dilution, and hydrocarbon solubility, while increasing the efficiency lifespan of stationary gas compression assets and is available in a wide range of ISO viscosity requirements.

Features & Benefits

- Complete Range of ISO Viscosity Requirements
- Low Starting TAN at .50
- Sulfated Ash Test at .47
- Extreme Friction Reduction
- Increased Oil Drain Intervals by 25% to 40%
- Positive Charged (+) lubricant Creates thin lubricant film bond to metal surfaces and contact points.
- Repels & Displaces Moisture
- Resists Thermal Degradation
- Strong Oxidation & Corrosion Inhibitor
- Resists Sludge, Varnish, Foam, & Emulsification
- Superior Wear Protection
- Extreme Service Life
- Minimizes Gas Dilution & Oil Absorption Effects
- High Load Carry
- Extends Equipment Life

Test Results

Data	Permian Production Lubricants LA40
SAE	40
Viscosity Index	101
Viscosity (40C)	127.6
Viscosity (100C)	14.1
Sulphated Ash%	0.474
TAN	0.5
TBN	4.5
Calcium (% wt)	0.123
Zinc (% wt)	0.034
Phosphorus (% wt)	0.031

MEETS OR EXCEEDS SPECS FOR

- Cummins
- MWM
- Mann
- Dresser Rand
- Wartsila 4T
- Caterpillar
- Waukesha
- Jenbacher





APEX OIL LAB

Location: Main > P > Permian Production
Lubricants > New Oil Baselines

Unit ID: Premium 40w

Model:

Machine Type: Engine



Data for customer review.

Limited diagnosis due to Data Sheet not provided.

S Anj, 10 Nov 2020

Oil Unknown Engine		Sample ID		918503 U29217				
Note:	Sampled on		06 Nov 2020					
	Received on		06 Nov 2020					
	h/m Total							
	h/m Oil							
	Top up (l.)							
								
ASTM D6595-00 WEAR METALS	Iron	ppm	0 - 150	1				
	Chrome	ppm	0 - 10	<1				
	Nickel	ppm		<1				
	Molybdene	ppm		2				
	Aluminium	ppm	0 - 20	1				
	Lead	ppm	0 - 25	<1				
	Copper	ppm	0 - 120	<1				
	Tin	ppm	0 - 10	<1				
	Silver	ppm		<1				
	Titanium	ppm		<1				
ASTM D6595-00 CONTAMINANTS	Silicon	ppm	0 - 25	3				
	Sodium	ppm	0 - 15	5				
	Vanadium	ppm		<1				
	Potassium	ppm		5				
	Lithium	ppm		<1				
ASTM D6595-00 ADDITIVES	Calcium	ppm		1020				
	Magnesium	ppm		8				
	Phosphorus	ppm		231				
	Zinc	ppm		288				
	Barium	ppm		<1				
	Boron	ppm		3				
MET-MEC-005	Fuel dilution	%		0.00				
ASTM D445	Viscosity at 100°C	cSt		13.8				
ASTM E2412	TAN	mg KOH/g	0.00 - 5.00	0.50				
	TBN	mg KOH/g	<2.00	5.30				
	WaterPPM	ppm		14.3				
	Oxidation By-Products	Abs@ 1mm		0.0				
	Nitration By-Products	Abs@ 1mm		0.0				
	Sulfation By-Products	Abs@ 1mm		0.0				
	Glycol	%	0.0 - 0.5	0.0				

Date 10 Nov 2020



CERTIFICATE OF ANALYSIS

Apex Oil Lab
3876 East Paris Ave SE
Suite 11
Grand Rapids, MI 49512
Attn: Jason Rainey

Report Date: 11/26/2020
Laboratory Number: A201124004
Sample Type: Oil
Sample ID: Permian Production Lubricants Premium LA40

<u>Tests Requested</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>
Sulfated Ash	0.474	Wt%	ASTM D874

Report Prepared by:

A handwritten signature in black ink, appearing to read 'Sophia Phanthamany'.

Sophia Phanthamany, Lab Technician

Reviewed and Approved by:

A handwritten signature in black ink, appearing to read 'Stuart Ramsdale'.

Stuart Ramsdale, Lab Manager