POLARIS Laboratories

Lubricant Analysis Report

North America: +1-877-808-3750
Latin America: +1-317-808-3750 / +502-3093-6466 (WhatsApp)
Europe: +1-317-808-3750

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number:	122750-0001-0000	Component ID:	# ENEOS SUSTINA 0W50 NOWY OLEJ	Tracking Number:	00009671792
Company Name:	ARCH OIL COMMENTS	Secondary ID:	NOWY OLEJ SILNIKOWY	Lab Number:	Z-192529
Contact:		Component Type:	BASELINE -GASOLINE ENGINE OIL	Lab Location:	Poznan
Address:		Manufacturer:	NOT APPLICABLE	Data Analyst:	JAS
Phone Number:		Model:	NOT APPLICABLE	Sampled:	2021
		Application:	QUALITY CONTROL	Received:	21-May-2021
		Sump Capacity:		Completed:	21-May-2021

Filter Information		Miscellaneous Information	Product Information	
Filter Type:	Information Requested		Product Manufacturer:	ENEOS
Micron Rating:	0		Product Name:	SUSTINA PREMIUM OIL
			Viscosity Grade:	SAE 0W50

Comments	Data used for baseline reference only. Data indicates no abnormal findings. Resample at normal interval.

	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
Sample #	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
1	1	0	0	0	0	0	0	0	0	0	5	2	0	0	147	0	0	0	196	10	2070	0	699	550

	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time h	Unit Time h	Lube Change	Lube Added gal	Filter Change	Fuel Dilution % Vol	Soot % Vol	Water % Vol	Viscosity 40°C cSt	Viscosity 100 °C cSt	Acid Number mg KOH/g	Base No. D4739 mg KOH/g	Oxidation abs/cm	Nitration abs/0.1 mm
1	N/A	21-May-2021	0	0	Unk	0	Unk			<.1 - FTIR	94.4	17.3	2.07		8	8

	Particle Count (particles/mL)										Additional Testing		
Sample #	ISO Code Based On 4/6/14	> 4 µm	> 6 µm	> 10 µm	> 14 µm	> 21 µm	> 38 µm	> 70 µm	> 100 µm	Test Method	Base No. D2896 mg KOH/g	Sulfur - In Oil % Mass	Viscosity Index Index Number
1	//										11.2	0.10	201

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Results relate only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.

Historical Comments