

Lubricant Analysis Report

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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 Company Name: ARCH OIL COMMENTS Contact: Address: Phone Number:		Component ID: # 5804 Secondary ID: Component Type: BULK TANK-LUBRICANT Manufacturer: NOT APPLICABLE Model: NOT APPLICABLE Application: TEST OIL Sump Capacity:		Tracking Number: 00009669142 Lab Number: Z-204518 Lab Location: Poznan Data Analyst: CXW Sampled: 2021 Received: 02-Aug-2021 Completed: 04-Aug-2021	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: NONE Micron Rating:				Product Manufacturer: PETRO-CANADA Product Name: DURON UHP Viscosity Grade: SAE 10W40	
Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Flagged additive levels are different than what should be present for the identified lubricant. This may have been topped off with a different lubricant, the fluid may be misidentified, or a different lubricant or formulation may have been in use prior to a recent change. Please see report attachment for FTIR scan. Report has been regenerated.				

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	1	0	0	1	0	0	0	7	1	1	0	45	2	0	0	123	887	1290	0	715	812

Sample Information								Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time	Unit Time	Lube Change	Lube Added	Filter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100 °C	Acid Number	Base No. D4739	Oxidation	Nitration
			h	h		gal		%	%	%	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	N/A	02-Aug-2021	0	0	Unk	0	Unk			<.1 - FTIR	93.0	13.9	1.77		15	7

Particle Count (particles/mL)											Additional Testing		
Sample #	ISO Code										Base No. D2896	FTIR Scan	Viscosity Index
	Based On 4/6/14	> 4 µm	> 6 µm	> 10 µm	> 14 µm	> 21 µm	> 38 µm	> 70 µm	> 100 µm	Test Method	mg KOH/g		Index Number
1	//										12.3	CMPLT	153

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