

Lubricant Analysis Report

North America: +1-877-808-3750
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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: #4905 Secondary ID: HIGHTEC FORMULA GT 10W40 HC Component Type: BASELINE REFERENCE Manufacturer: Information Requested Model: Information Requested Application: QUALITY CONTROL Sump Capacity:		Tracking Number: 00009611024 Lab Number: Z-161211 Lab Location: Poznan Data Analyst: EAD Sampled: 2020 Received: 29-Oct-2020 Completed: 02-Nov-2020	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: Information Requested Micron Rating: 0				Product Manufacturer: ROWE Product Name: HIGHTEC FORMULA GT Viscosity Grade: SAE 10W40	
Comments	Data used for baseline reference only. Data indicates no abnormal findings. Resample at normal interval. Please see report attachment for FTIR scan. Your note was taken into consideration.				

	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	13	0	0	0	3	0	0	0	2	98	3762	0	941	1069

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	Lube Change	gal	Filter Change	% Vol	% Vol	% Vol	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	abs/0.1 mm
1	N/A	29-Oct-2020	0	0	Unk	0	Unk			<.1 - FTIR	94.2	13.9	2.48		4	3

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	//										10.6	CMPLT	151	

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