Lubricant Analysis Report

Europe: +32-3 870 0000

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number:	WOLFOL-0000-0000	HP Asset #:	RUSKIC - HYUNDAI HX480AL	Tracking Number:	23325H21039
Company Name:	WOLF OIL CORPORATION NV	Asset Serial:		Lab Number:	Z - 385841
Contact:	ELVIC MOTTELAY	Component Type:	DIESEL ENGINE	Lab Location:	Poznan
Address:	G.GILLIOTSTRAAT 52 HEMIKSEM, FLANDERS B-2620 BE	Manufacturer:	HYUNDAI	Data Analyst:	KDN
		Model:	Information Requested	Sampled:	19-Dec-2023
		Application:	EXCAVATING/CONSERVATION	Submitted:	16-Feb-2024
Phone Number:	+32 3 870 00 00	Sump Capacity:		Received:	20-Feb-2024
				Resolved:	20-Feb-2024
				Completed:	21-Feb-2024

Filter Information		Miscellaneous Information	Product Information	
Filter Type:	UNKNOWN		Product Manufacturer:	CHAMPION
Micron Rating:	1		Product Name:	Information Requested
			Viscosity Grade:	SAE 10W30

Comments Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Base number is flagged, however without complete lubricant information, the starting point for this lubricant cannot be determined. Viscosity is SLIGHTLY HIGH. Causes include contamination, oxidation, incorrectly identified viscosity grade, or adding a different viscosity grade to the component. Please provide COMPONENT MODEL number to compare data to the correct standards for this component. LUBRICANT TIME was not provided for this sample.

	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
Sample #	Fe	Cr	Ni	Al	Cu	Pb	Sn	Cd	Ag	V	Si	Na	K	Ti	Mo	Sb	Mn	Li	B	Mg	Ca	Ba	P	Zn
1	55	1	0	1	3	1	0	0	0	0	8	2	0	0	83	1	1	0	55	330	1846	1	1086	1307

	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time unk	Unit Time h	Lube Change	Lube Added L	Filter Change	Fuel Dilution %	Soot %	Water %	Viscosity 40°C cSt	Viscosity 100 °C cSt	Acid Number mg KOH / g	Base No. D4739 mg KOH / g	Oxidation abs / cm	Nitration abs / 0.1mm
1	19-Dec-2023	20-Feb-2024	0	2216	No	0	No	<2 - Estimate	0.9 - E2412	<.1 - FTIR		12.7		2.46	17	10

	Particle Count (particles/mL)										Additional Testing
Sample #	ISO Code Based On 4/6/14	> 4 particles / mL	> 6 particles / mL	> 10 particles / mL	> 14 particles / mL	> 21 particles / mL	> 38 particles / mL	> 70 particles / mL	> 100 particles / mL	Test Method	
1	/ /										

Comments are advisory only and are based on the sample information provided by the customer being valid. Results related only to the items tested. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.