



Lubricant Analysis Report

Europe: +32-3 870 0020

0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

Account Information		Component Information		Sample Information	
Account Number: CHAMPL-0000-0000 Company Name: CHAMPION LUBRICANTS Contact: ELVIC MOTTELAY Address: G.GILLIOTSTRAAT 52 HEMIKSEM B-2620 BE Phone Number: +32 3 870 00 00		HP Asset #: RUSKIC - HYUNDAI HX480AL Asset Serial: Component Type: DIESEL ENGINE Manufacturer: HYUNDAI Model: Information Requested Application: EXCAVATING/CONSERVATION Sump Capacity:		Tracking Number: 23325H21039 Lab Number: Z-385841 Lab Location: Poznan Data Analyst: KDN Sampled: 19-Dec-2023 Submitted: 16-Feb-2024 Received: 20-Feb-2024 Resolved: 20-Feb-2024 Completed: 21-Feb-2024	
Filter Information		Miscellaneous Information		Product Information	
Filter Type: UNKNOWN Micron Rating: 1				Product Manufacturer: CHAMPION 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.				

Sample #	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)					Additive Metals (ppm)					
	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 #	Sample Information				Contaminants				Fluid Properties							
	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
			unk	h		L		%	%	%	cSt	cSt	mg KOH/g	mg KOH/g	abs/cm	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

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