

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id MAHLER Q8 40WT

Component New (Unused) Oil Fluid {not provided} (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORM	/ATIO <u>N</u>	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0660925	WC0660879	
Sample Date		Client Info		31 Oct 2023	24 Aug 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		0	<1	
Chromium	ppm	ASTM D5185m		<1	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m		2	2	
Lead	ppm	ASTM D5185m		0	0	
Copper	ppm	ASTM D5185m		0	0	
Tin	ppm	ASTM D5185m		<1	<1	
Vanadium	ppm	ASTM D5185m ASTM D5185m		0	<1 0	
Cadmium	ppm	ASTM DS185m		U	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		0	<1	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		8	9	
Calcium	ppm	ASTM D5185m		2253	2262	
Phosphorus	ppm	ASTM D5185m		393	415	
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m		441 2256	449 2705	
	ppm		line it /le e e e			
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon Sodium	ppm	ASTM D5185m ASTM D5185m		3 <1	6	
Potassium	ppm	ASTM D5185m	>20	<1	2	
	ppm					
INFRA-RED	0/	method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844			0	
Nitration	Abs/cm	*ASTM D7624			4.4	
Sulfation	Abs/.1mm	*ASTM D7415			14.5	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414			8.3	
Acid Number (AN)	mg KOH/g	ASTM D8045		0.17	0.982	
Base Number (BN)	mg KOH/g	ASTM D2896		8.16	9.20	



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