

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

170832 WEST EA MA (S/N GH-9152B)

Unknown Component Fluid

{not provided} (--- GAL)

DIAGNOSIS

Recommendation

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the brand, type, and viscosity of the oil on your next sample. Please provide more complete information on your next sample.

Wear

Component wear rates appear to be normal (unconfirmed).

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

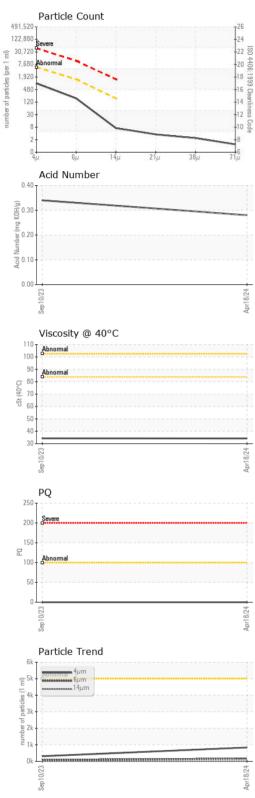
Fluid Condition

Viscosity of sample indicates oil is within ISO 32 range, advise investigate. The AN level is acceptable for this fluid. The condition of the sample is suitable for further service.

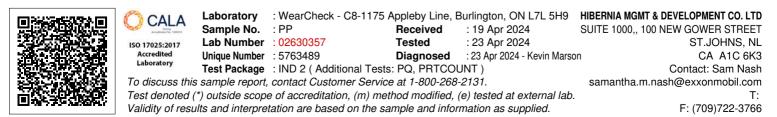
			Sep2023	Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP	PP	
Sample Date		Client Info		18 Apr 2024	10 Sep 2023	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	
Iron	ppm	ASTM D5185(m)		2	2	
Chromium	ppm	ASTM D5185(m)		0	0	
Nickel	ppm	ASTM D5185(m)		0	0	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	0	
Aluminum	ppm	ASTM D5185(m)		0	<1	
Lead	ppm	ASTM D5185(m)		<1	<1	
Copper	ppm	ASTM D5185(m)		7	7	
Tin	ppm	ASTM D5185(m)		0	0	
Antimony	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
Beryllium	ppm	ASTM D5185(m)		0	0	
Cadmium	ppm	ASTM D5185(m)		0	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	
Barium	ppm	ASTM D5185(m)		<1	0	
Molybdenum	ppm	ASTM D5185(m)		0	0	
Manganese	ppm	ASTM D5185(m)		0	0	
Magnesium	ppm	ASTM D5185(m)		5	5	
Calcium	ppm	ASTM D5185(m)		64	66	
Phosphorus	ppm	ASTM D5185(m)		229	252	
Zinc	ppm	ASTM D5185(m)		271	286	
Sulfur	ppm	ASTM D5185(m)		2507	2364	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINANTS	\$	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)		2	3	
Sodium	ppm	ASTM D5185(m)		0	<1	
Potassium	ppm	ASTM D5185(m)	>20	0	<1	



OIL ANALYSIS REPORT



Acid Number (AN) mg KOHlg ASTM D974* 0.28 0.34 VISUAL method limit/base current history1 history1 White Metal scalar Visual* NONE NONE NONE NONE Yellow Metal scalar Visual* NONE NONE NONE NONE Precipitate scalar Visual* NONE NONE NONE NONE Silt scalar Visual* NONE NONE NONE Sand/Dirt scalar Visual* NONE NONE NONE Appearance scalar Visual* NORML NORML NORML Odor scalar Visual* NORML NORML NORML Godor scalar Visual* NORML NORML NORML Emulsified Water scalar Visual* NEG NEG NEG <t< th=""><th>ASTM D7647 >1300 160 85 ASTM D7647 >160 6 9 ASTM D7647 >40 3 2 ASTM D7647 >10 2 0 ASTM D7647 >3 1 0 ASTM D7647 >3 1 0 ISO 4406 (c) >19/17/14 17/14/10 15/14/10 DATION method limit/base current history1 history2 org KOH/g ASTM D974* 0.28 0.34 bacalar Visual* NONE NONE scalar Visual* NORML NORML NORML scalar Visual* NORML NORML NORML <</th><th>Particles >6μm ASTM D7647 >1300 160 85 Particles >14μm ASTM D7647 >160 6 9 </th><th></th></t<>	ASTM D7647 >1300 160 85 ASTM D7647 >160 6 9 ASTM D7647 >40 3 2 ASTM D7647 >10 2 0 ASTM D7647 >3 1 0 ASTM D7647 >3 1 0 ISO 4406 (c) >19/17/14 17/14/10 15/14/10 DATION method limit/base current history1 history2 org KOH/g ASTM D974* 0.28 0.34 bacalar Visual* NONE NONE scalar Visual* NORML NORML NORML scalar Visual* NORML NORML NORML <	Particles >6μm ASTM D7647 >1300 160 85 Particles >14μm ASTM D7647 >160 6 9	
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Contact/Location: Sam Nash - HIBSTJ Page 2 of 2