

OIL ANALYSIS REPORT

Sample Rating Trend



LIM_MLU1 LIM_MLU1

Inboard Pump

NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The water content is negligible. There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RP0032529	RP0033076	RP0032770
Sample Date		Client Info		14 Nov 2023	20 Jul 2023	22 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	4	7	15
Chromium	ppm	ASTM D5185m	>5	0	0	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m	>3	<1	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	0	<1	<1
Lead	ppm	ASTM D5185m	>12	4	5	10
Copper	ppm	ASTM D5185m		14	11	11
Tin	ppm	ASTM D5185m	>9	2	4	▲ 12
Vanadium	ppm	ASTM D5185m	-	- <1	<1	0
Cadmium	ppm	ASTM D5185m		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		49	61	24
Calcium	ppm	ASTM D5185m		0	1	4
Phosphorus	ppm	ASTM D5185m		0	14	63
Zinc	ppm	ASTM D5185m		8	12	21
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>60	3	2	3
Sodium	ppm	ASTM D5185m	>00	3	3	3
Potassium	ppm	ASTM D5185m	. 00		2	0
	ppm			0		
Water ppm Water	% ppm	ASTM D6304 ASTM D6304	>.1 >1000	0.030 308	0.016	0.043 430
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	initi/base	0.33	0.33	0.29
VISUAL	ing rioring	method	limit/base		history1	history2
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	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	A MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	NEG	0.2%
Free Water	scalar	*Visual	1	NEG	NDREW WYD	erk a ie g nelim
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