

OIL ANALYSIS REPORT

Sample Rating Trend

SAMPLE INFORMATION method limit/base current



history1

history2

Area **RIG 258** Machine Id **R258-MP-01** Component

Gearbox Fluid NOT GIVEN (--- GAL)

DIAGNOSIS

A Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

Sample Number		Client Info		KL0013159	KL0013027	KL0012968
Sample Date		Client Info		21 Nov 2023	14 Nov 2023	28 Oct 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				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	42	61	65
Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	2
Lead	ppm	ASTM D5185m	>50	0	0	0
Copper	ppm	ASTM D5185m	>200	1/	20	21
l In	ppm	ASTM D5185m	>10	U	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		U	0	U
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	8	10
Barium	ppm	ASTM D5185m		5	0	9
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		4	0	<1
Calcium	ppm	ASTM D5185m		31	27	29
Phosphorus	ppm	ASTM D5185m		152	139	144
Zinc	ppm	ASTM D5185m		15	24	29
Sulfur	ppm	ASTM D5185m		9058	/656	6992
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	10	16	20
Sodium	ppm	ASTM D5185m		20	40	41
Potassium	ppm	ASTM D5185m	>20	1	1	0
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	🔺 155275	1 71958	12760
Particles >6µm		ASTM D7647	>5000	<u> </u>	A 37248	2390
Particles >14µm		ASTM D7647	>640	6 41	297	88
Particles >21µm		ASTM D7647	>160	159	36	19
Particles >38µm		ASTM D7647	>40	6	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>21/19/16	A 24/22/17	A 25/22/15	21/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.48	0.51	0.57
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VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	NONE	NONE	NONE
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		334	344	335
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				a a diama		
					(Carlo	6

Bottom





Certificate L2367

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