

OIL ANALYSIS REPORT

Area KEMP QUARRIES / HULBERT Machine Id WL030



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DIAGNOSIS

Recommendation

monitor this condition.

Gear wear is indicated.

abnormal and/or severe wear.

Contamination

Fluid Condition

A Wear

We advise that you check all areas where dirt can

enter the system. We recommend that you drain the

oil from the component if this has not already been

done. We advise that you inspect for the source(s)

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

The oil is no longer serviceable as a result of the

of wear. We recommend an early resample to

Rear Differential Fluid MOBIL MOBILTRANS HD 50 (--- GAL)

> SAMPLE INFORMATION method PCA0086838 Client Info PCA0109211 PCA0025308 Sample Number 23 Feb 2024 26 Jul 2023 Sample Date Client Info 16 Jul 2020 6688 Machine Age hrs **Client Info** 6169 5097 Oil Age hrs **Client Info** 0 0 3250 Oil Changed Not Changd **Client Info** Not Changd N/A Sample Status SEVERE SEVERE SEVERE CONTAMINATION Water WC Method >.2 NEG NEG NEG WEAR METALS Iron ASTM D5185m >500 **1**379 **4** 951 ▲ 952 ppm Chromium ASTM D5185m >3 3 2 3 ppm Nickel ASTM D5185m >3 <1 <1 <1 ppm Titanium ASTM D5185m >2 2 1 ppm 1 0 0 Silver >2 0 ppm ASTM D5185m Aluminum ppm ASTM D5185m >30 20 13 7 ASTM D5185m 2 3 Lead >13 1 ppm ASTM D5185m >103 36 24 17 Copper ppm Tin ASTM D5185m >5 0 1 1 ppm Antimony 0 ppm ASTM D5185m >5 ---0 Vanadium 0 ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 0 0 0 ADDITIVE

1.88111120						
Boron	ppm	ASTM D5185m		9	4	8
Barium	ppm	ASTM D5185m		1	0	<1
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		11	8	10
Magnesium	ppm	ASTM D5185m		50	48	51
Calcium	ppm	ASTM D5185m		3172	2991	3290
Phosphorus	ppm	ASTM D5185m		1138	1011	1024
Zinc	ppm	ASTM D5185m		1309	1233	1311
Sulfur	ppm	ASTM D5185m		11189	9026	12197
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	4 214	1 35	62

Silicon	ppm	ASTM D5185m	>100	2 14	1 35	62
Sodium	ppm	ASTM D5185m		6	4	4
Potassium	ppm	ASTM D5185m	>20	6	1	3

VISUAL		method	limit/base	current	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	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	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	Sublimited By:

Report Id: KEMHUL [WUSCAR] 06108308 (Generated: 03/06/2024 1€ Free Wate



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