

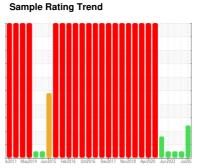
# **OIL ANALYSIS REPORT**



# KEMP QUARRIES / MUSKOGEE SAND WL042

Component **Front Left Final Drive** 

MOBIL MOBILTRANS HD 50 (--- GAL)





### **DIAGNOSIS**

#### Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. ( Customer Sample Comment: PM-4 changed fluid )

#### Wear

Bearing and/or bushing wear is indicated.

#### Contamination

There is no indication of any contamination in the

#### **Fluid Condition**

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PCA0084621	PCA0087105	PCA0070531
Sample Date		Client Info		11 Jul 2023	23 May 2023	29 Dec 2022
Machine Age	hrs	Client Info		32072	31670	31010
Oil Age	hrs	Client Info		32072	1720	1060
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	448	123	79
Chromium	ppm	ASTM D5185m	>10	2	<1	<1
Nickel	ppm	ASTM D5185m	>5	1	<1	0
Titanium	ppm	ASTM D5185m	>15	2	1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	33	18	2
Lead	ppm	ASTM D5185m	>10	<u>^</u> 9	2	<1
Copper	ppm	ASTM D5185m	>75	<b>102</b>	17	4
Tin	ppm	ASTM D5185m	>8	<u>^</u> 6	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		2	<1	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		5	1	<1
Magnesium	ppm	ASTM D5185m		25	20	17
Calcium	ppm	ASTM D5185m		2594	2617	2653
Phosphorus	ppm	ASTM D5185m		941	963	950
Zinc	ppm	ASTM D5185m		1151	1157	1157
Sulfur	ppm	ASTM D5185m		4785	4615	4298
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	197	91	21
Sodium	ppm	ASTM D5185m		2	0	0
Potassium	ppm	ASTM D5185m	>20	11	7	2
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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2

Visc @ 40°C

cSt

ASTM D445 195

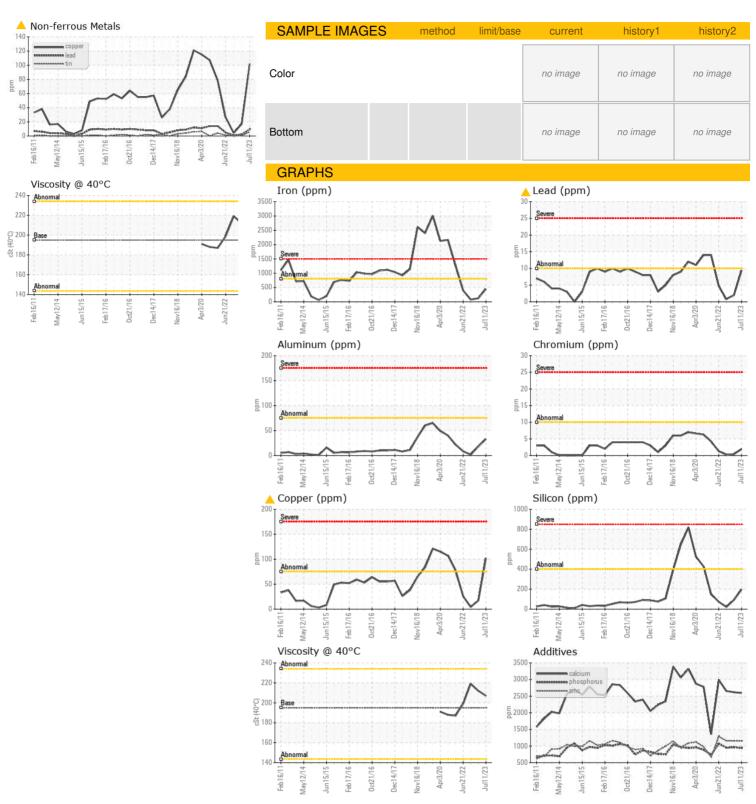
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# **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: PCA0084621 : 05900804 : 10562160 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jul 2023 : 19 Jul 2023 Diagnosed Diagnostician : Sean Felton

Kemp Quarries - Muskogee Sand

3395 W 50th St N Porter, OK US 74454

Contact: MUSCOGEE NOTIFICATIONS

muskogee@muskogeesand.com T:

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Report Id: KEMPOR [WUSCAR] 05900804 (Generated: 07/19/2023 16:11:51) Rev: 1

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