

OIL ANALYSIS REPORT

Sample Rating Trend

VISCOSITY



Area KEMP QUARRIES / MUSKOGEE SAND WL042

Component **Rear Left Final Drive**

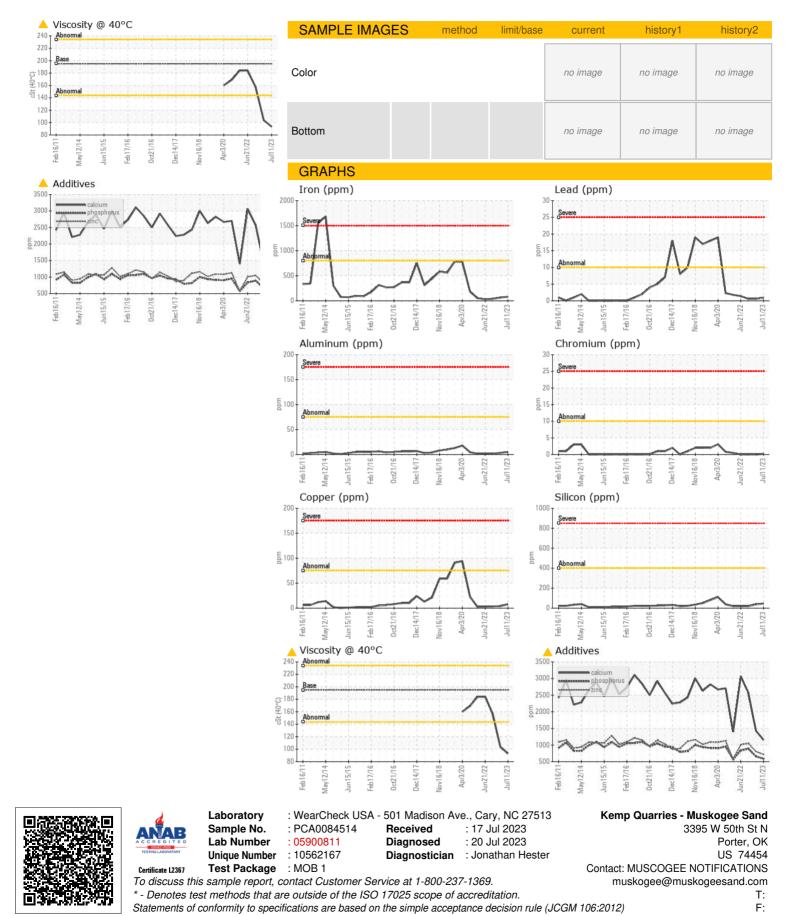
Fluid

MOBIL MOBILTRANS HD 50 (--- GAL)

DIAGNOSIS	SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
A Recommendation	Sample Number		Client Info		PCA0084514	PCA0087107	PCA0070533
The oil change at the time of sampling has been	Sample Date		Client Info		11 Jul 2023	23 May 2023	29 Dec 2022
noted. Resample at the next service interval to	Machine Age	hrs	Client Info		32072	31670	31010
monitor. (Customer Sample Comment: PM-4	Oil Age	hrs	Client Info		32072	1720	1060
changed fluid)	Oil Changed		Client Info		Changed	Not Changd	Not Changd
Wear	Sample Status				ATTENTION	ATTENTION	NORMAL
All component wear rates are normal.	WEAR METAI	S	method	limit/base	current	history1	history2
Contamination There is no indication of any contamination in the	Iron		ASTM D5185m		83	64	40
oil.	Chromium	ppm ppm	ASTM D5185m		<1	0	40
Fluid Condition	Nickel	ppm	ASTM D5185m		0	0	0
The oil viscosity is lower than normal. Additive	Titanium		ASTM D5185m		<1	<1	0
levels indicate the addition of a different brand, or type of oil. Confirm oil type.	Silver	ppm ppm	ASTM D5185m		0	0	0
	Aluminum		ASTM D5185m		5	4	2
	Lead	ppm	ASTM D5185m		-5 <1	<1	<1
	Copper	ppm	ASTM D5185m		7	4	3
	Tin	ppm ppm	ASTM D5185m		، <1	4	0
	Vanadium		ASTM D5185m	>0	0	0	0
	Cadmium	ppm	ASTM D5185m		0	0	0
		ppm					
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		2	0	3
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		11	13	16
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		🔺 141	🔺 175	226
	Calcium	ppm	ASTM D5185m		🔺 1155	1 427	2575
	Phosphorus	ppm	ASTM D5185m		🔺 587	6 59	891
	Zinc	ppm	ASTM D5185m		<u> </u>	A 806	1048
	Sulfur	ppm	ASTM D5185m		A 3424	4 129	6771
	CONTAMINA	NTS	method	limit/base	current	history1	history2
	Silicon	ppm	ASTM D5185m	>400	46	37	19
	Sodium	ppm	ASTM D5185m		0	0	0
	Potassium	ppm	ASTM D5185m	>20	2	1	2
	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	LIGHT	LIGHT	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	ERTIES	method	limit/base	current	history1	history2
Report Id: KEMPOR [WUSCAR] 05900811 (Generated: 07/20/202	Visc @ 40°C	cSt	ASTM D445	195	▲ 93.2	▲ 104	157 Submitted By:



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Submitted By: