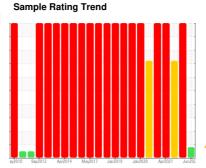


OIL ANALYSIS REPORT



MOBIL MOBILTRANS HD 50 (--- GAL)





DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Gear wear is indicated.

Contamination

There is no indication of any contamination in the

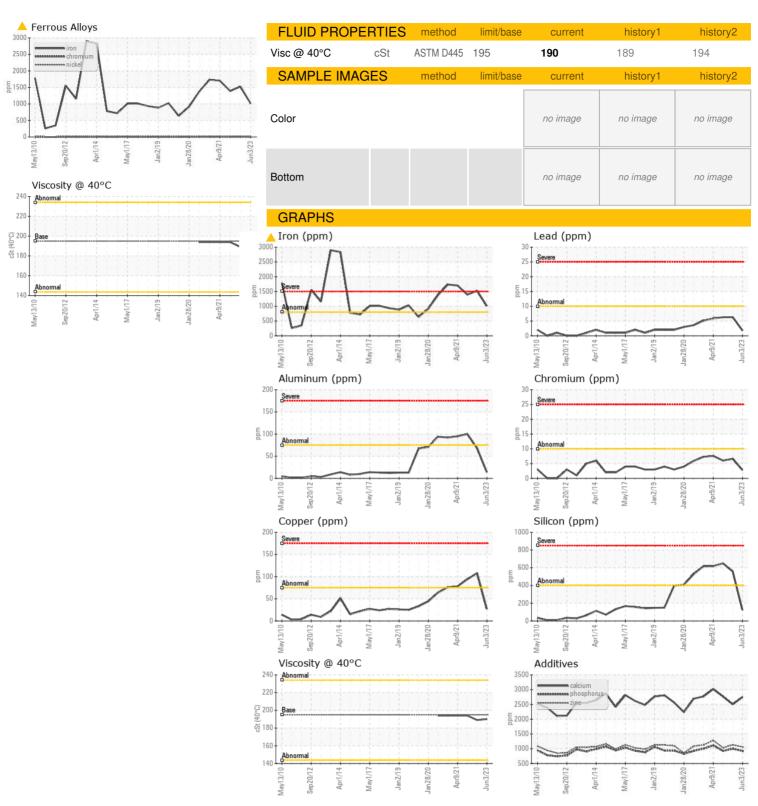
Fluid Condition

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		PCA0087114	PCA0070543	PCA0034573
Sample Number		Client Info		03 Jun 2023	16 Feb 2023	22 Sep 2021
Machine Age	hrs	Client Info		1895	1210	760
Oil Age	hrs	Client Info		685	2000	2990
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				ABNORMAL	SEVERE	SEVERE
WEAR METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	<u> </u>	1526	1390
Chromium	ppm	ASTM D5185m	>10	3	7	6
Nickel	ppm	ASTM D5185m	>5	1	3	2
Titanium	ppm	ASTM D5185m	>15	<1	4	6
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>75	14	△ 68	<u></u> 100
Lead	ppm	ASTM D5185m	>10	2	6	6
Copper	ppm	ASTM D5185m	>75	27	<u>108</u>	<u></u> 94
Tin	ppm	ASTM D5185m	>8	0	5	0
Antimony	ppm	ASTM D5185m	>50			<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	5	12
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		1	4	0
Manganese	ppm	ASTM D5185m		8	17	17
Magnesium	ppm	ASTM D5185m		15	30	30
Calcium	ppm	ASTM D5185m		2751	2504	2768
Phosphorus	ppm	ASTM D5185m		924	1001	923
Zinc	ppm	ASTM D5185m		1059	1129	1035
Sulfur	ppm	ASTM D5185m		4810	8016	12635
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	123	558	650
Sodium	ppm	ASTM D5185m	00	0	15	15
Potassium	ppm	ASTM D5185m	>20	5	26	27
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
		13.41				
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Odor Emulsified Water Free Water	scalar scalar scalar	*Visual *Visual *Visual	NORML >0.2	NORML NEG NEG	NORML NEG NEG	NORML NEG NEG



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number** Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : PCA0087114 : 05900858 : 10562214

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

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:

F:

muskogee@muskogeesand.com

T:

* - 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)