



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
OKLAHOMA/3/EG - TRUCK-OFF-HWY-HEAVY HAUL
 Machine Id
69.02 [OKLAHOMA^3^EG - TRUCK-OFF-HWY-HEAVY HAUL]
 Component
Steering
 Fluid
MOBIL MOBILTRANS AST 30 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0886942	WC0834072	WC0778278
Sample Date		Client Info		31 Jan 2024	05 Aug 2023	28 Feb 2023
Machine Age	hrs	Client Info		23455	22584	21769
Oil Age	hrs	Client Info		21769	60983	21769
Filter Age	hrs	Client Info		21769	22584	21769
Oil Changed		Client Info		N/A	N/A	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>60	4	3	2
Chromium	ppm	ASTM D5185m	>12	<1	<1	<1
Nickel	ppm	ASTM D5185m	>6	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>4	<1	4	1
Lead	ppm	ASTM D5185m	>12	<1	<1	<1
Copper	ppm	ASTM D5185m	>30	2	2	0
Tin	ppm	ASTM D5185m		<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

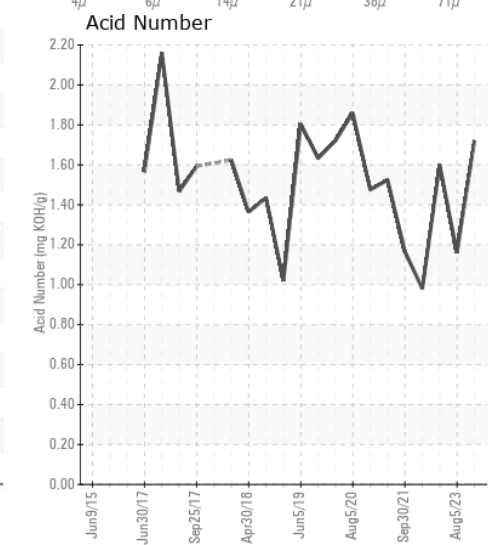
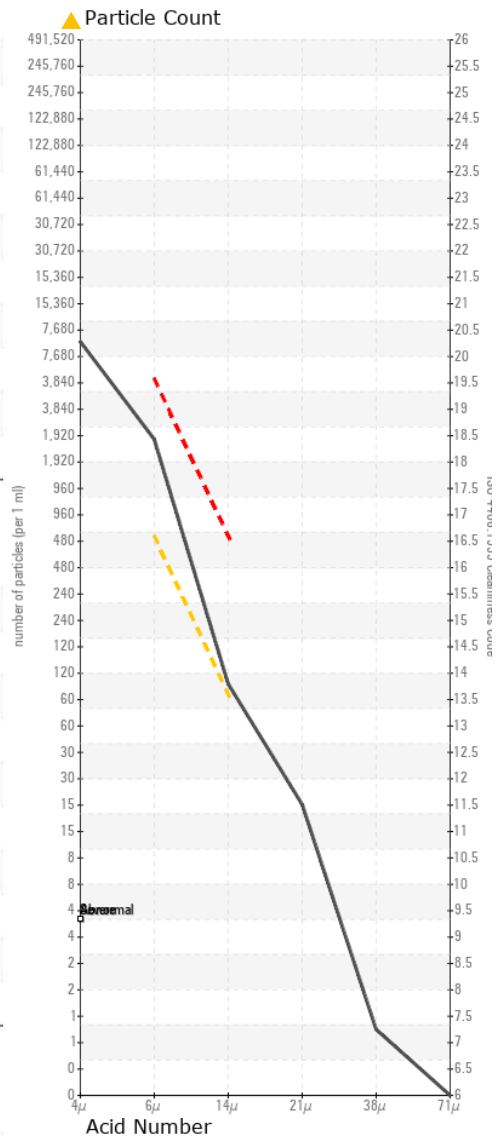
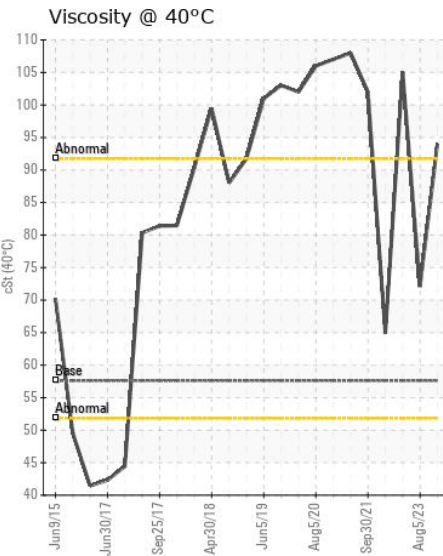
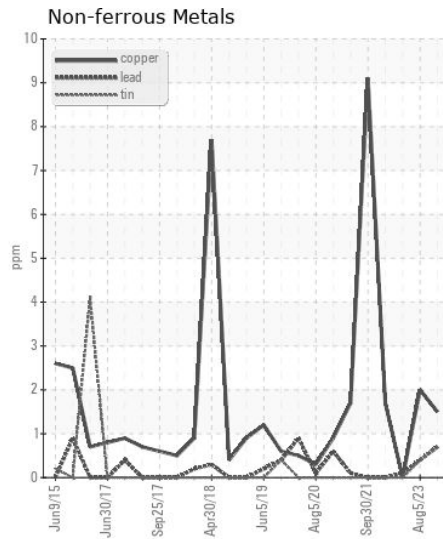
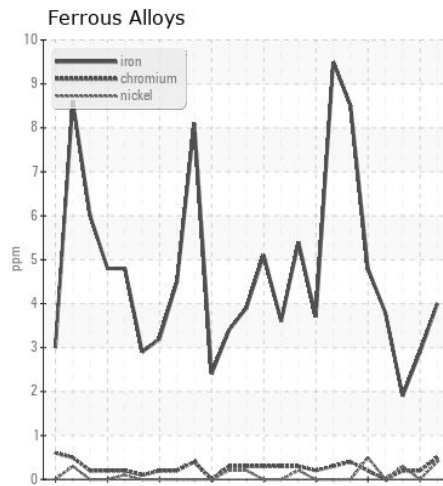
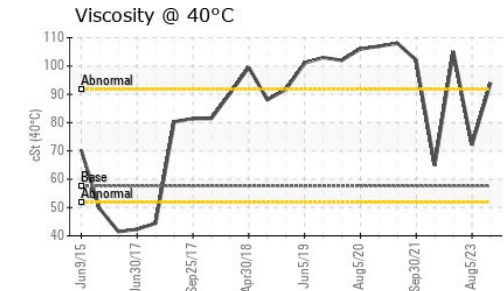
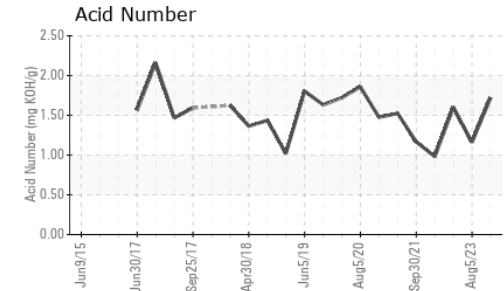
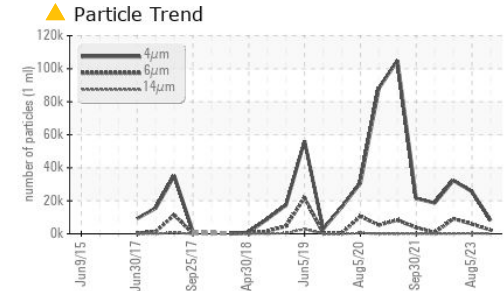
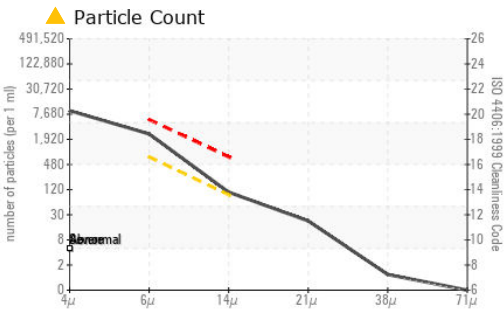
There is a high amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>10	9	15	5
Potassium	ppm	ASTM D5185m	>20	2	1	2
Water		WC Method		NEG	NEG	NEG
Particles >4µm		ASTM D7647		8116	25524	32306
Particles >6µm		ASTM D7647	>640	2261	5887	9150
Particles >14µm		ASTM D7647	>80	92	292	118
Particles >21µm		ASTM D7647	>20	19	66	7
Particles >38µm		ASTM D7647	>4	1	1	2
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>-/16/13	20/18/14	22/20/15	22/20/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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		NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	6	<1
Boron	ppm	ASTM D5185m		47	82	30
Barium	ppm	ASTM D5185m		5	<1	0
Molybdenum	ppm	ASTM D5185m		2	<1	2
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		18	25	29
Calcium	ppm	ASTM D5185m		2865	2870	2881
Phosphorus	ppm	ASTM D5185m		923	930	950
Zinc	ppm	ASTM D5185m		1189	1142	1180
Sulfur	ppm	ASTM D5185m		4616	4438	4397
Acid Number (AN)	mg KOH/g	ASTM D8045		1.72	1.16	1.60
Visc @ 40°C	cSt	ASTM D445	57.6	94.0	72.1	105



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0886942 **Received** : 23 Feb 2024
Lab Number : 06098318 **Tested** : 26 Feb 2024
Unique Number : 10896548 **Diagnosed** : 26 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PrtCount)

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)

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