

OIL ANALYSIS REPORT

Sample Rating Trend

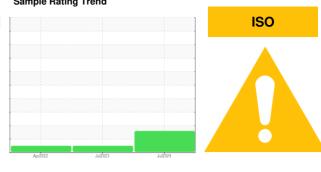
limit/base



OKLAHOMA/102 69.104L [OKLAHOMA^102]

SAMPLE INFORMATION method

Hydraulic System MOBIL MOBILTRANS AST 30 (37 GAL)



history1

history2

current

DIAGNOSIS

Recommendation

We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code.

Fluid Condition

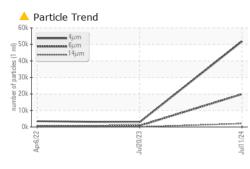
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

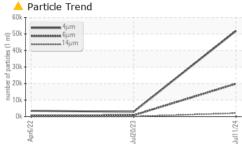
Sample Number		Client Info		WC0935154	WC0792427	WC0665202
Sample Date		Client Info		11 Jul 2024	20 Jul 2023	06 Apr 2022
Machine Age	hrs	Client Info		2900	2190	10
Oil Age	hrs	Client Info		2900	2190	10
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
•		method	line it //s a s a		lainte mut	bister 0
CONTAMINATIO	N		limit/base	current	history1	history2
Water		WC Method	>0.1	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	5	4	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>10	4	2	1
Lead	ppm	ASTM D5185m	>10	<1	4	<1
Copper	ppm	ASTM D5185m	>75	<1	1	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		38	0	<1
Barium	ppm	ASTM D5185m		0	4	0
Molybdenum	ppm	ASTM D5185m		1	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		21	14	10
Calcium	ppm	ASTM D5185m		3177	3765	2974
Phosphorus	ppm	ASTM D5185m		984	1265	997
Zinc	ppm	ASTM D5185m		1245	1510	1213
Sulfur	ppm	ASTM D5185m		4475	5480	3396
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	6	6	4
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	2	2	2
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		51809	2867	3509
Particles >6µm		ASTM D7647	>2500	🔺 19884	782	531
Particles >14µm		ASTM D7647	>640	<u> </u>	57	33
Particles >21µm		ASTM D7647	>160	<u> </u>	11	8
Particles >38µm		ASTM D7647	>40	7	0	0
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>/18/16	A 23/21/18	19/17/13	19/16/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.47	1.69	1.89
:42:05) Rev: 2				C.	bmitted By: WA	

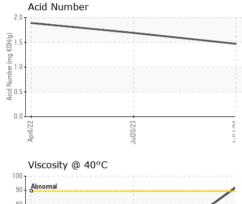
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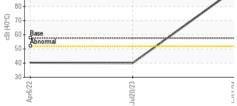


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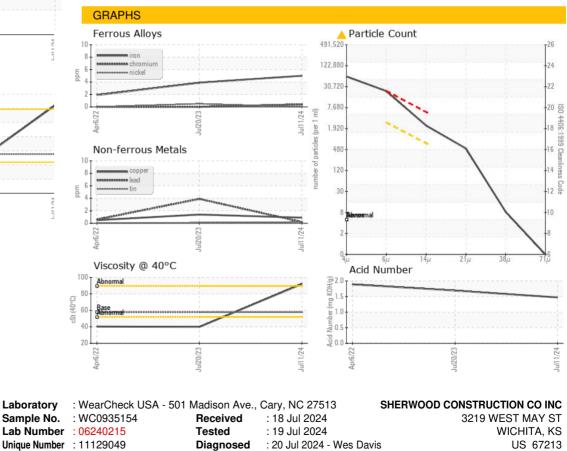








MOULA						
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	57.6	92.0	39.9	40.3
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						
Bottom						



 Inique Number
 : 11129049
 Diagnosed
 : 20 Jul 2024 - Wes Davis

 Certificate 12367
 Test Package
 : CONST

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - 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: SHEWIC [WUSCAR] 06240215 (Generated: 07/21/2024 14:42:05) Rev: 2

Submitted By: WAYNE HUBBARD

Page 2 of 2

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