

OIL ANALYSIS REPORT

Sample Rating Trend

ISO



Area OKLAHOMA/3 48.88L [OKLAHOMA^3] Hydraulic System

Fluid MOBIL MOBILTRANS AST 30 (43 GAL)

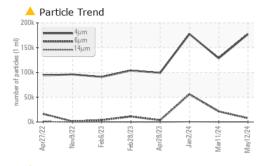
DIAGNOSIS	SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Recommendation	Sample Number		Client Info		WC0914393	WC0908732	WC0886977
he filter change at the time of sampling has been	Sample Date		Client Info		12 May 2024	11 Mar 2024	02 Jan 2024
oted. We recommend an early resample to	Machine Age	hrs	Client Info		8657	8273	7714
onitor this condition.	Oil Age	hrs	Client Info		8273	333	5899
lear	Oil Changed		Client Info		N/A	Changed	Changed
Il component wear rates are normal.	Sample Status				ABNORMAL	SEVERE	ABNORMAL
Contamination	CONTAMINATIO	N	method	limit/base	current	history1	history2
here is a moderate amount of silt (particulates < 4 microns in size) present in the oil. The system eanliness is above the acceptable limit for the	Water		WC Method		NEG	NEG	NEG
rget ISO 4406 cleanliness code.	WEAR METALS		method	limit/base	current	history1	history2
uid Condition	Iron	ppm	ASTM D5185m	>20	4	6	11
he AN level is acceptable for this fluid. The oil is	Chromium	ppm	ASTM D5185m	>10	0	0	<1
Il serviceable provided that the contaminant(s)	Nickel	ppm	ASTM D5185m	>10	0	0	<1
n be reduced to acceptable levels.	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>10	2	3	3
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m	>75	2	2	4
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	Cadmium	ppm	ASTM D5185m		0	0	<1
	ADDITIVES		method	limit/base	current	history1	history2
	Boron	ppm	ASTM D5185m		43	44	64
	Barium	ppm	ASTM D5185m		0	0	8
	Molybdenum	ppm	ASTM D5185m		3	6	17
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		16	11	14
	Calcium	ppm	ASTM D5185m		2888	2370	2264
	Phosphorus		ASTM D5185m		992	842	922
	Zinc	ppm	ASTM D5185m		1183	975	1227
	Sulfur	ppm ppm	ASTM D5185m		5193	4109	3935
	CONTAMINANT		method	limit/base		history1	history2
	Silicon	ppm	ASTM D5185m	>20	9	10	17
	Sodium	ppm	ASTM D5185m		4	4	0
	Potassium	ppm	ASTM D5185m	>20	0	0	4
	FLUID CLEANLI	NESS	method	limit/base	current	history1	history2
	Particles >4µm		ASTM D7647		177319	128532	177646
	Particles >6µm		ASTM D7647	>2500	<u> </u>	1 21326	▲ 56074
	Particles >14µm		ASTM D7647	>640	234	112	577
	Particles >21µm		ASTM D7647	>160	40	21	100
	Particles >38µm		ASTM D7647	>40	0	0	1
			ASTM D7647	>10	0	0	0
	Particles >71µm						
	Particles >71µm Oil Cleanliness		ISO 4406 (c)		4 25/20/15	▲ 24/22/14	▲ 25/23/16
		ATION				▲ 24/22/14 history1	▲ 25/23/16 history2

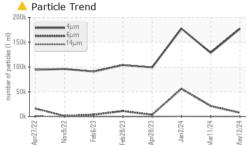
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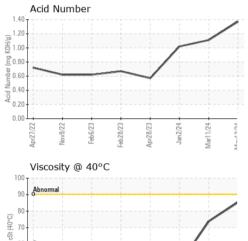
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Apr28/23

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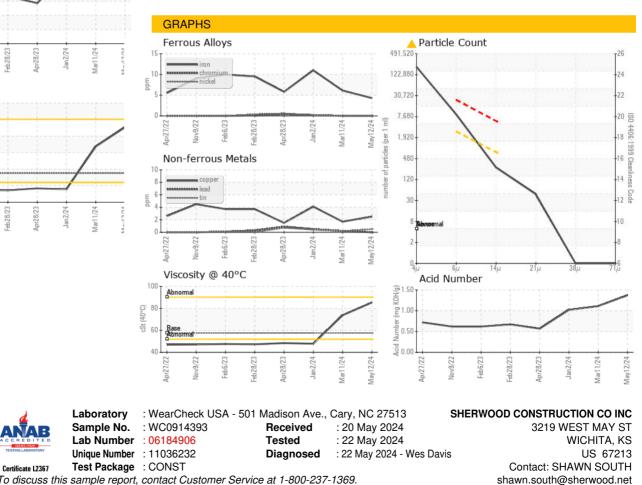
Apr27/22

177 June 1977

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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	LIGHT	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	85.3	73.7	47.8
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				- 0-	WORKER IN THE REAL PROPERTY OF	
Pattam						

Bottom



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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