

OIL ANALYSIS REPORT

Area OKLAHOMA/105/EG - TRUCK-ON-HWY-HEAVY DUTY 08.114 [OKLAHOMA^105^EG - TRUCK-ON-HWY-HEAVY DUTY]

Hydraulic System

MOBIL MOBILTRANS AST 30 (--- GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

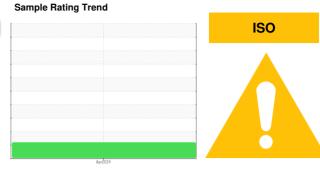
All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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



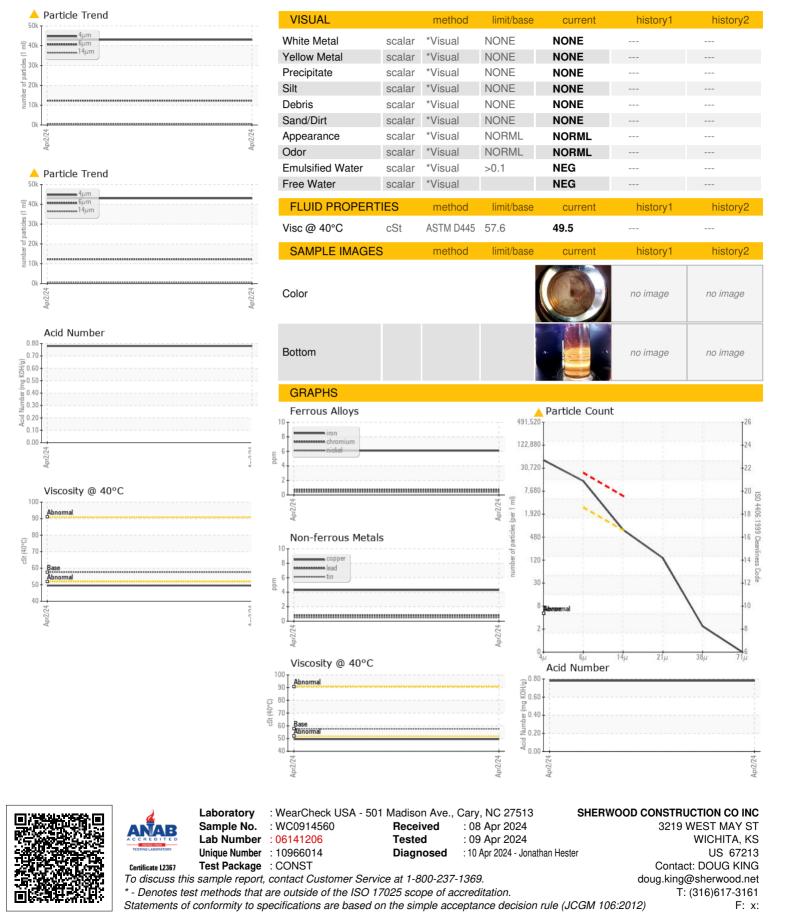
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0914560		
Sample Date		Client Info		02 Apr 2024		
Machine Age	hrs	Client Info		10320		
Oil Age	hrs	Client Info		1500		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	6		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>10	2		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	4		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		117		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		28		
Calcium	ppm	ASTM D5185m		3593		
Phosphorus	ppm	ASTM D5185m		1007		
Zinc	ppm	ASTM D5185m		1438		
Sulfur	ppm	ASTM D5185m		4351		
CONTAMINANTS	S	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	14		
Sodium	ppm	ASTM D5185m		2		
Potassium	ppm	ASTM D5185m	>20	2		
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		43010		
Particles >6µm		ASTM D7647		<u> </u>		
Particles >14µm		ASTM D7647	>640	658		
Particles >21µm		ASTM D7647	>160	120		
Particles >38µm		ASTM D7647	>40	2		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>/18/16	<u> </u>		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2

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