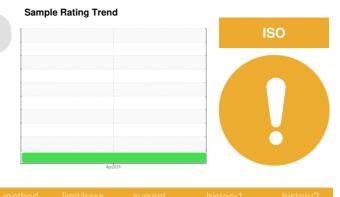


OIL ANALYSIS REPORT

Area Watkins Block Truck Shop Omaha 200 [Watkins Block Truck Shop Omaha] Component Hydraulic System Fluid

MOBIL DTE 10 EXCEL 46 (35 GAL)



DIAGNOSIS

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.

Wear

All component wear rates are normal.

Contamination

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

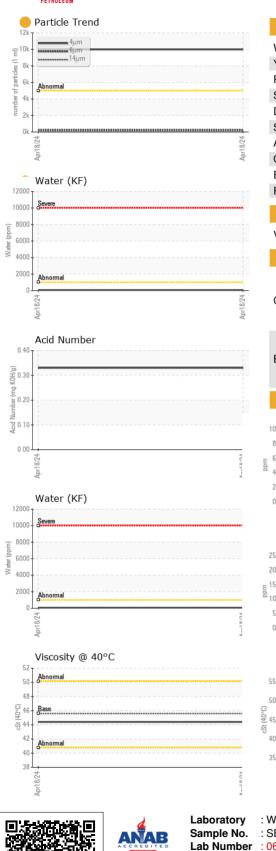
Fluid Condition

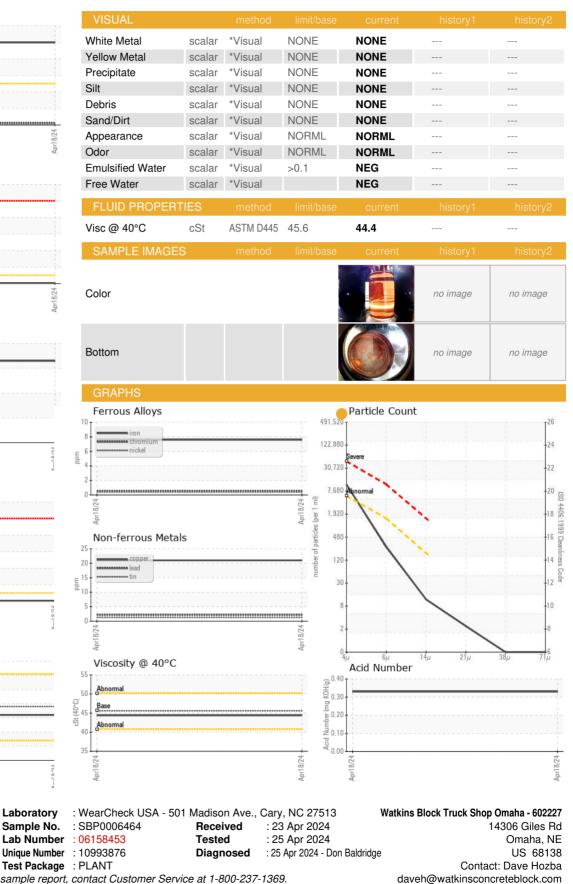
The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Sample Number		Client Info		SBP0006464		
Sample Date		Client Info		18 Apr 2024		
Machine Age	hrs	Client Info		151360		
Oil Age	hrs	Client Info		3010		
Oil Changed		Client Info		Filtered		
Sample Status				ATTENTION		
			11 11 11			
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	8		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>5	2		
Lead	ppm	ASTM D5185m	>4	2		
Copper	ppm	ASTM D5185m	>15	21		
Tin	ppm	ASTM D5185m	>4	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		2		
Manganese	ppm	ASTM D5185m		- <1		
Magnesium	ppm	ASTM D5185m		14		
Calcium	ppm	ASTM D5185m		153		
Phosphorus	ppm	ASTM D5185m		490		
Zinc	ppm	ASTM D5185m		259		
Sulfur	ppm	ASTM D5185m		1749		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>15	3		
Sodium	ppm ppm	ASTM D5185m	>10	0		
Potassium		ASTM D5185m	>20	۰ <1		
Water	ppm %	ASTM D5185III		0.005		
		ASTM D6304	>0.1	59		
ppm Water	ppm					
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	9987		
Particles >6µm		ASTM D7647	>1300	236		
Particles >14µm		ASTM D7647	>160	10		
Particles >21µm		ASTM D7647	>40	2		
Particles >38µm		ASTM D7647	>10	0		
Particles >71µm		ASTM D7647		0		
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>		
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33		
	3					



OIL ANALYSIS REPORT





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)

Certificate 12367

T: (402)894-6518

E: