

Contracting

OIL ANALYSIS REPORT

Sample Rating Trend



4205 4205 Front Vibratory Drum Gearbox DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Area

All component wear rates are normal.

Contamination

There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0937937		
Sample Date		Client Info		11 Jun 2024		
Machine Age	hrs	Client Info		1073		
Oil Age	hrs	Client Info		425		
Oil Changed		Client Info		Not Changd		
Sample Status				MARGINAL		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	17		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m	>10	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m		<1		
Lead	ppm	ASTM D5185m		0		
Copper	ppm	ASTM D5185m		2		
Tin	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		2		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	91		
Barium	ppm	ASTM D5185m	10	2		
Molybdenum	ppm	ASTM D5185m	100	45		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m	450	453		
Calcium	ppm	ASTM D5185m	3000	2025		
Phosphorus	ppm	ASTM D5185m	1150	812		
Zinc	ppm	ASTM D5185m	1350	934		
Sulfur	ppm	ASTM D5185m	4250	3386		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		10		
Sodium	ppm	ASTM D5185m	>158	4		
Potassium	ppm	ASTM D5185m	>20	3		
Water	%	ASTM D6304		<u> </u>		
ppm Water	ppm	ASTM D6304	>2000	A 1730		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>20000	3941		
Particles >6µm		ASTM D7647	>5000	2147		
Particles >14µm		ASTM D7647	>640	365		
Particles >21µm		ASTM D7647	>160	123		
Particles >38µm		ASTM D7647	>40	19		
Particles >71µm		ASTM D7647	>10	2		
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/18/16		



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method

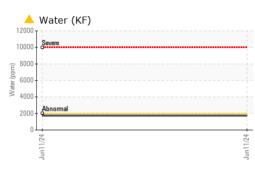
limit/base

current

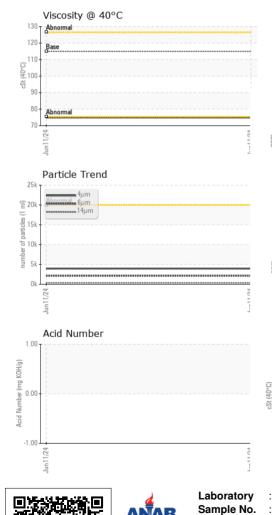
history1

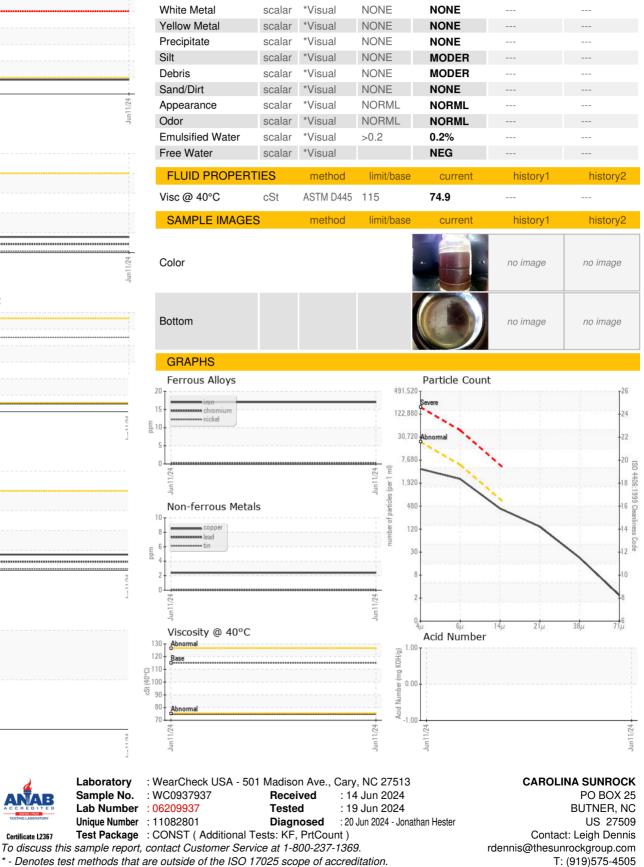
history2

VISUAL









Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate 12367

Lab Number

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