

OIL ANALYSIS REPORT

OKLAHOMA/102/EG - OTHER SERVICE 22.64L [OKLAHOMA^102^EG - OTHER SERVICE]

Diesel Engine

Fluid MOBIL DELVAC 1300 SUPER15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

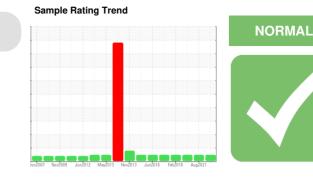
All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

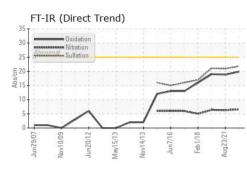
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

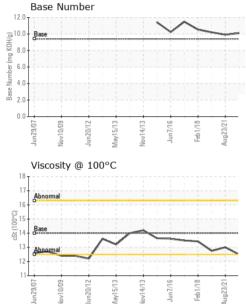


SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0886892	WC0590256	WCCF9909
Sample Date		Client Info		27 Mar 2024	23 Aug 2021	12 Mar 2019
Machine Age	hrs	Client Info		5800	5390	5141
Oil Age	hrs	Client Info		410	247	360
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	36	25	37
Chromium	ppm	ASTM D5185m		3	2	2
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m		2	2	3
Lead	ppm	ASTM D5185m	>30	2	2	2
Copper	ppm	ASTM D5185m		3	2	2
Tin	ppm	ASTM D5185m	>15	6	4	2
Antimony	ppm	ASTM D5185m			0	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	0	62	85	62
Barium	ppm		0	02	0	0
Molybdenum	ppm	ASTM D5185m	0	39	39	37
Manganese	ppm	ASTM D5185m	0	1	<1	<1
Magnesium	ppm		0	493	542	593
Calcium	ppm	ASTM D5185m	0	1643	1716	1562
Phosphorus	ppm	ASTM D5185m		742	784	795
Zinc	ppm	ASTM D5185m		892	902	912
Sulfur	ppm	ASTM D5185m		2531	2383	2378
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon Sodium	ppm	ASTM D5185m ASTM D5185m	>30	12 3	12 <1	13 5
Potassium	ppm	ASTM D5185m	> 20	3	3	4
	ppm					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	6.6	6.3	6.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	21.8	20.9	21.1
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
FLUID DEGRADA	ATION Abs/.1mm	method *ASTM D7414	limit/base	current 19.9	history1 18.8	history2 19



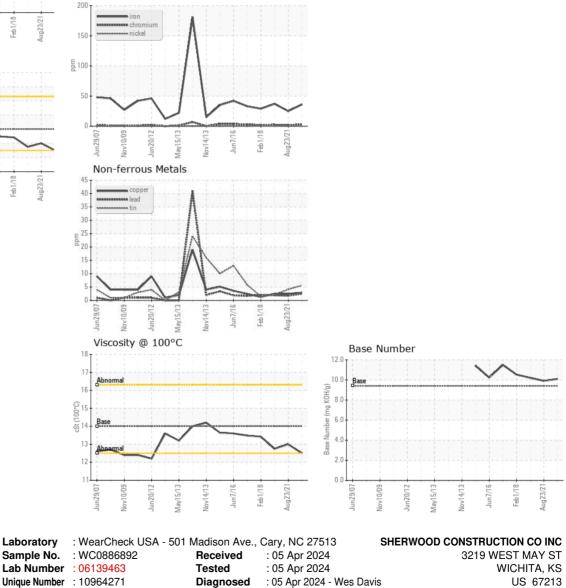
OIL ANALYSIS REPORT





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	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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14	12.5	13.0	12.75
GRAPHS						

Ferrous Alloys





 Unique Number
 : 10964271
 Diagnosed
 : 05 Apr 2024 - Wes Davis

 Certificate 12367
 Test Package
 : CONST (Additional Tests: TBN)

 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)

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Submitted By: RUSTY RILEY

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