

OIL ANALYSIS REPORT





Machine Id **FSP132803 (S/N 213486)** Component Left Diesel Engine Fluid

DIESEL ENGINE OIL SAE 15W40 (--- QTS)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

Cylinder, crank, or cam shaft wear is indicated. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

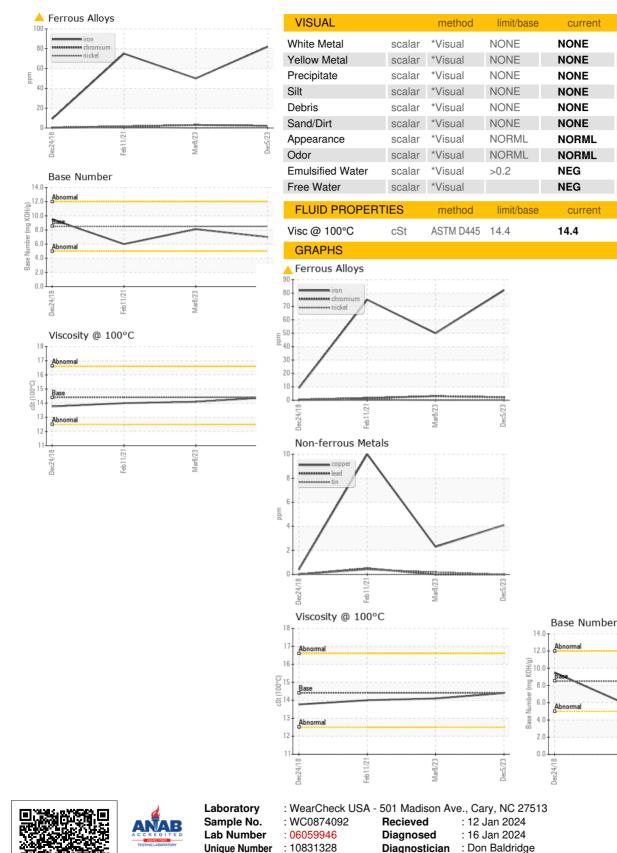
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

		Dec2014					
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2	
Sample Number		Client Info		WC0874092	WC0797950	WC0535856	
Sample Date		Client Info		05 Dec 2023	08 Mar 2023	11 Feb 2021	
Machine Age	hrs	Client Info		0	0	0	
Oil Age	hrs	Client Info		0	0	0	
Oil Changed		Client Info		Changed	Changed	Changed	
Sample Status				ABNORMAL	NORMAL	NORMAL	
CONTAMINATION	J	method	limit/base	current	history1	history2	
Fuel		WC Method	>5	<1.0	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	NEG	
Glycol		WC Method	20.L	NEG	NEG	NEG	
WEAR METALS		method	limit/base	-	-	-	
				current	history1	history2	
Iron	ppm	ASTM D5185m	>80	<mark>▲</mark> 82	50	75	
Chromium	ppm	ASTM D5185m	>5	2	3	2	
Nickel	ppm	ASTM D5185m	>2	<1	0	<1	
Titanium	ppm	ASTM D5185m		0	0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	0	
Aluminum	ppm	ASTM D5185m	>30	10	3	7	
Lead	ppm	ASTM D5185m	>30	0	0	<1	
Copper	ppm	ASTM D5185m	>150	4	2	10	
Tin	ppm	ASTM D5185m	>5	0	<1	<1	
Antimony	ppm	ASTM D5185m				0	
Vanadium	ppm	ASTM D5185m		0	0	<1	
Cadmium	ppm	ASTM D5185m		0	0	0	
ADDITIVES		method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	250	0	0	12	
Barium	ppm	ASTM D5185m	10	0	0	0	
Molybdenum	ppm	ASTM D5185m	100	74	67	17	
Manganese	ppm	ASTM D5185m		<1	<1	<1	
Magnesium	ppm	ASTM D5185m	450	1174	1047	95	
Calcium	ppm	ASTM D5185m	3000	1261	1121	2478	
Phosphorus	ppm	ASTM D5185m	1150	1182	1062	957	
Zinc	ppm	ASTM D5185m	1350	1430	1342	1146	
Sulfur	ppm	ASTM D5185m	4250	3544	3146	2876	
CONTAMINANTS		method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	9	6	7	
Sodium	ppm	ASTM D5185m	>158	0	2	3	
Potassium	ppm	ASTM D5185m	>20	4	1	3	
INFRA-RED		method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844	>3	2	1.2	1.8	
Nitration	Abs/cm	*ASTM D7624	>20	13.4	10.8	11.8	
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.7	23.0	29	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.6	18.6	17.2	
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.0	8.1	6	
(05:13) Bev: 1			Contact/Location: CBAIG EVANS - EREORI				

Contact/Location: CRAIG EVANS - FREORL



OIL ANALYSIS REPORT



FRESHPOINT 8801 EXCHANGE DRVIE ORLANDO, FL US 32809 Contact: CRAIG EVANS evans_craig@sbcglobal.net T: F:

Mar8/23

Certificate L2367

Test Package : FLEET

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)

Contact/Location: CRAIG EVANS - FREORL

Feb11/21

history1

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

NEG

NEG

14.1

history

history2

NONE

NONE

NONE

NONE

NONE

NONE

NORML

NORML

history2

NEG

NEG

14.0