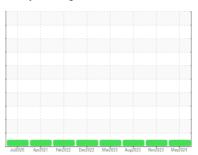


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id FSP141542

Component

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

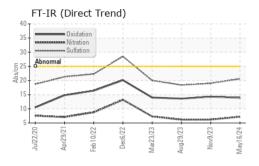
Fluid Condition

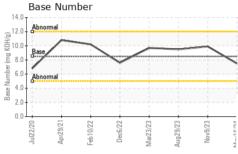
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

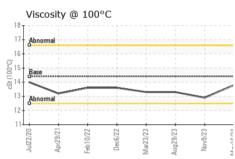
Justino Aprilino Aprilino Presidente Deschiere Marchine August New 2023 New 2023 New 2024									
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		WC0903160	WC0875803	WC0852260			
Sample Date		Client Info		16 May 2024	09 Nov 2023	29 Aug 2023			
Machine Age	mls	Client Info		236912	0	211157			
Oil Age	mls	Client Info		0	0	0			
Oil Changed		Client Info		N/A	Changed	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATION	١	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		NEG	NEG	NEG			
WEAR METALS		method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>100	11	7	10			
Chromium	ppm	ASTM D5185m	>20	<1	<1	1			
Nickel	ppm	ASTM D5185m	>4	0	0	0			
Titanium	ppm	ASTM D5185m		4	<1	0			
Silver	ppm	ASTM D5185m	>3	0	0	0			
Aluminum	ppm	ASTM D5185m	>20	3	2	2			
Lead	ppm	ASTM D5185m	>40	0	<1	0			
Copper	ppm	ASTM D5185m	>330	<1	<1	<1			
Tin	ppm	ASTM D5185m	>15	<1	0	0			
Vanadium	ppm	ASTM D5185m		0	<1	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	250	313	7	5			
Barium	ppm	ASTM D5185m	10	<1	0	0			
Molybdenum	ppm	ASTM D5185m	100	71	74	66			
Manganese	ppm	ASTM D5185m		<1	<1	<1			
Magnesium	ppm	ASTM D5185m	450	483	1003	1003			
Calcium	ppm	ASTM D5185m	3000	1414	1169	1143			
Phosphorus	ppm	ASTM D5185m	1150	932	1107	1092			
Zinc	ppm	ASTM D5185m	1350	1095	1317	1306			
Sulfur	ppm	ASTM D5185m	4250	3178	3550	4020			
CONTAMINANTS		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	8	5	6			
Sodium	ppm	ASTM D5185m	>158	<1	2	2			
Potassium	ppm	ASTM D5185m	>20	4	3	3			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.7	0.4	0.4			
Nitration	Abs/cm	*ASTM D7624	>20	7.2	6.2	6.2			
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.6	19.0	18.4			
FLUID DEGRADA	TION	method	limit/base	current	history1	history2			
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.9	14.3	13.6			

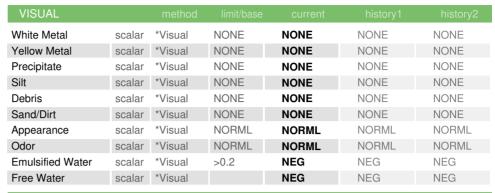


OIL ANALYSIS REPORT



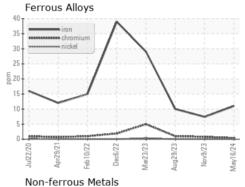


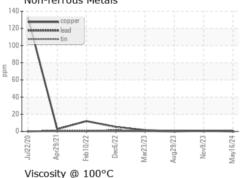


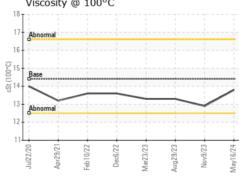


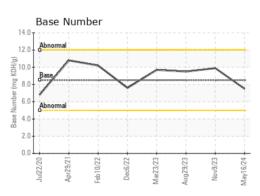
FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	14.4	13.8	12.9	13.3

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WC0903160 Lab Number : 06204193 Unique Number : 11071654

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 Jun 2024 **Tested**

: 11 Jun 2024 Diagnosed : 11 Jun 2024 - Wes Davis

FRESHPOINT 8801 EXCHANGE DRVIE ORLANDO, FL US 32809

Contact: CRAIG EVANS evans_craig@sbcglobal.net T:

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)

F: