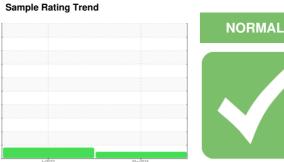


OIL ANALYSIS REPORT



Machine Id FSP132799

Component

Diesel Engine

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

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

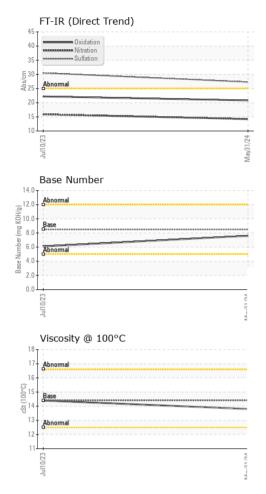
Fluid Condition

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

			Jul2023	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0932952	WC0826648	
Sample Date		Client Info		31 May 2024	10 Jul 2023	
Machine Age	mls	Client Info		342200	324366	
Oil Age	mls	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ABNORMAL	
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	54	68	
Chromium	ppm	ASTM D5185m	>20	1	2	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>3	0	0	
Aluminum	ppm	ASTM D5185m	>20	20	14	
Lead	ppm	ASTM D5185m	>40	0	0	
Copper	ppm	ASTM D5185m	>330	3	8	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		2	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	0	0	
Barium	ppm	ASTM D5185m	10	0	0	
Molybdenum	ppm	ASTM D5185m	100	63	69	
Manganese	ppm	ASTM D5185m		2	<1	
Magnesium	ppm	ASTM D5185m	450	999	1048	
Calcium	ppm	ASTM D5185m	3000	1146	1197	
Phosphorus	ppm	ASTM D5185m	1150	986	1035	
Zinc	ppm	ASTM D5185m	1350	1239	1296	
Sulfur	ppm	ASTM D5185m	4250	3306	3432	
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	8	
Sodium	ppm	ASTM D5185m	>158	4	4	
Potassium	ppm	ASTM D5185m	>20	5	2	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	2.5	▲ 3.5	
Nitration	Abs/cm	*ASTM D7624	>20	14.2	15.9	
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.3	30.5	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.8	22.2	
Base Number (BN)	mg KOH/g	ASTM D2896		7.6	6.1	
. (-/	0					

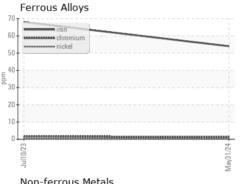


OIL ANALYSIS REPORT

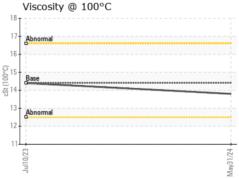


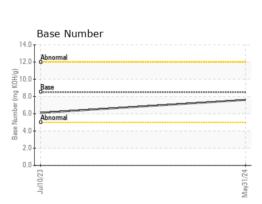
VISUAL		ام مالم مما	1::		المناه المناه المناه	histom O
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Precipitate	scalar	*Visual	NONE	NONE	NONE	
Silt	scalar	*Visual	NONE	NONE	NONE	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Free Water	scalar	*Visual		NEG	NEG	
FLUID PROPERT	TIES	method	limit/base	current	history1	history2
T LOID T NOI LINI	ILO	method			HISLUTYT	HISTOLY2

FLUID PROPERTIES			metnoa	ilmit/base	current	nistory i	nistory2
	Visc @ 100°C	cSt	ASTM D445	14.4	13.8	14.4	



	10-	Non-ferrous Metals
	8 -	copper lead
Е	6.	
mdd	4.	
	2	
	0.	Juli 0,23
		Viscosity @ 100°C









Certificate 12367

Laboratory

Sample No. : WC0932952 Lab Number : 06209564 Unique Number : 11077025

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Test Package : FLEET

Received : 13 Jun 2024 Tested : 17 Jun 2024

Diagnosed : 17 Jun 2024 - Don Baldridge

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: