



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
FORD P-25
Component
Diesel Engine
Fluid
10W30 DURON SEMI (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LP0001341	LP0000031	WC0721135
Sample Date		Client Info		14 Mar 2024	14 Jul 2023	04 Oct 2022
Machine Age	mls	Client Info		167000	156867	146693
Oil Age	mls	Client Info		8000	9500	10300
Filter Age	mls	Client Info		8000	9500	10300
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>90	75	74	80
Chromium	ppm	ASTM D5185m	>20	6	4	5
Nickel	ppm	ASTM D5185m	>2	<1	<1	0
Titanium	ppm	ASTM D5185m	>2	0	1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	0
Aluminum	ppm	ASTM D5185m	>20	8	10	12
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	2	4	2
Tin	ppm	ASTM D5185m	>15	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

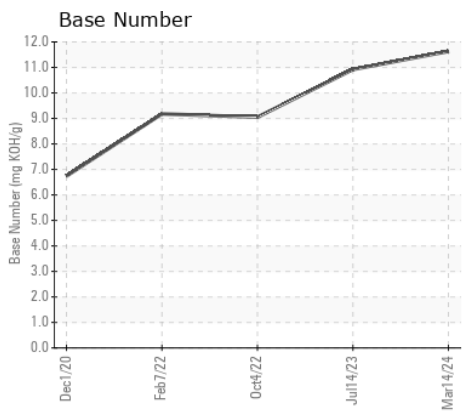
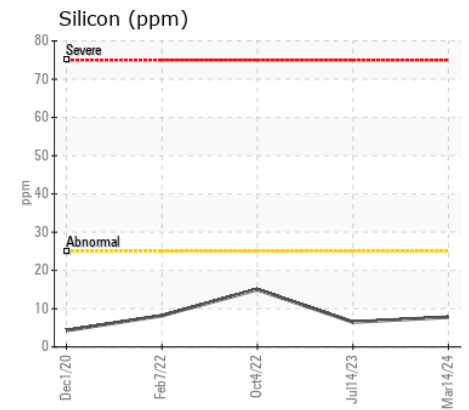
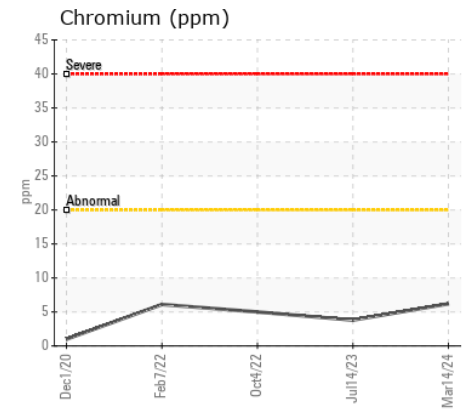
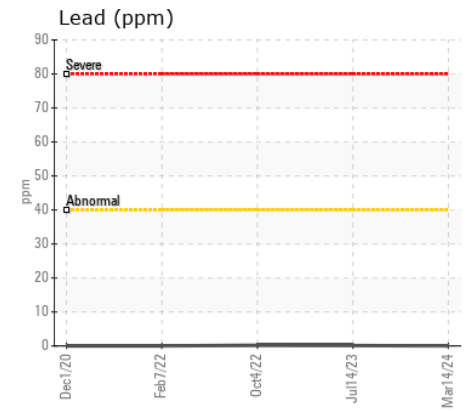
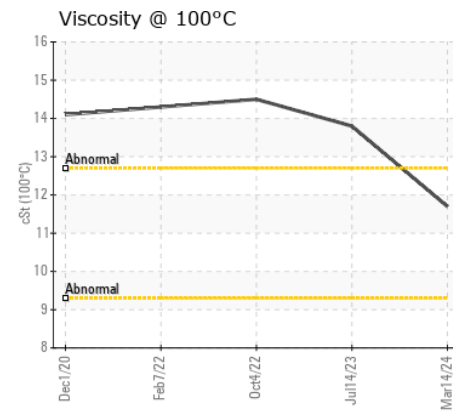
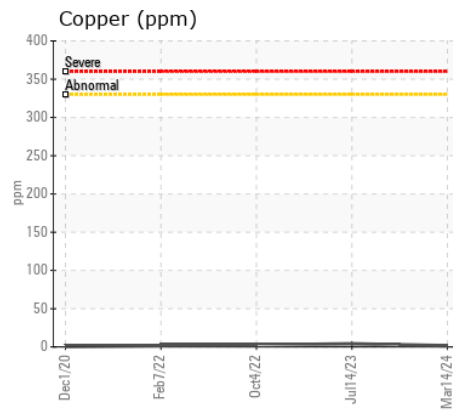
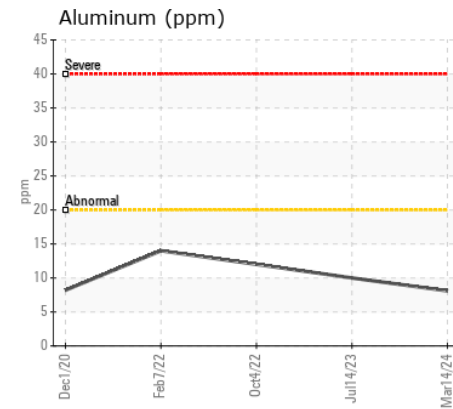
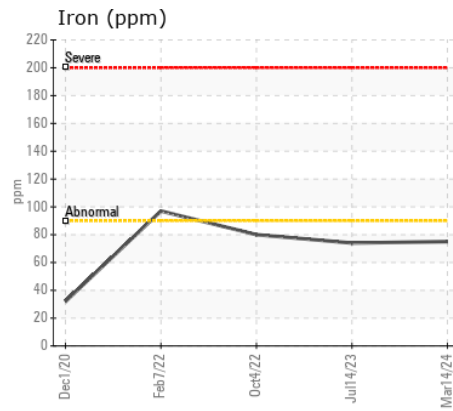
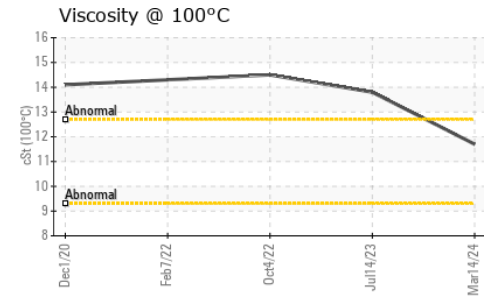
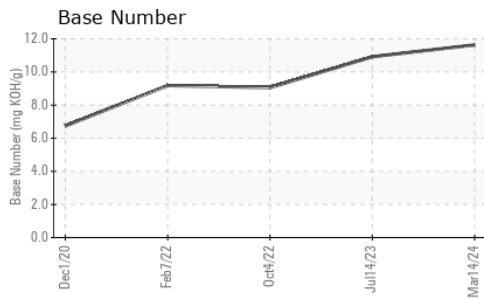
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	8	6	15
Potassium	ppm	ASTM D5185m	>20	0	2	1
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
Soot %	%	*ASTM D7844	>6	0.7	1.1	1.4
Nitration	Abs/cm	*ASTM D7624	>20	11.9	14.4	16.6
Sulfation	Abs/.1mm	*ASTM D7415	>30	23.3	26.2	28.3
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

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.

Sodium	ppm	ASTM D5185m		3	0	5
Boron	ppm	ASTM D5185m		13	18	11
Barium	ppm	ASTM D5185m		0	1	0
Molybdenum	ppm	ASTM D5185m		71	82	75
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m		1142	1149	1121
Calcium	ppm	ASTM D5185m		1627	1436	1352
Phosphorus	ppm	ASTM D5185m		1322	1256	1176
Zinc	ppm	ASTM D5185m		1578	1515	1478
Sulfur	ppm	ASTM D5185m		3945	3599	3425
Oxidation	Abs/.1mm	*ASTM D7414	>25	21.5	24.8	26.2
Base Number (BN)	mg KOH/g	ASTM D2896		11.63	10.92	9.05
Visc @ 100°C	cSt	ASTM D445		11.7	13.8	14.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : LP0001341

Lab Number : 06125821

Unique Number : 10939972

Test Package : MOB 2

Received : 21 Mar 2024

Tested : 25 Mar 2024

Diagnosed : 25 Mar 2024 - Wes Davis

SELECT DEMO

40 LOWELL RD

SALEM, NH

US 03079

Contact: STAN DOGIL

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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)