DECKMAN OIL

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
{UNASSIGNED}
Machine Id
FORD F350 T3 (S/N 1FD8W3HT8CEC55824)
Component
Diesel Engine
Fluid
PETRO CANADA DURON UHP 5W40 (14 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

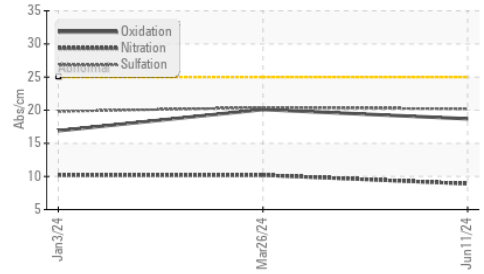
There is no indication of any contamination in the oil.

FLUID CONDITION

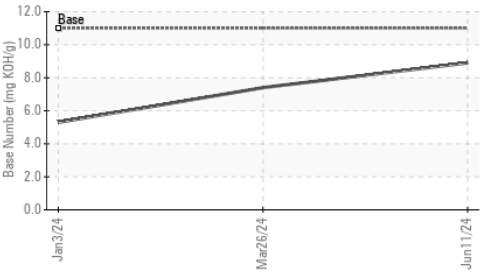
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DE0000661	DE0000673	DE0000582
Sample Date		Client Info		11 Jun 2024	26 Mar 2024	03 Jan 2024
Machine Age	mls	Client Info		216575	210855	202300
Oil Age	mls	Client Info		5720	8816	8261
Filter Age	mls	Client Info		5720	8816	8261
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ATTENTION
Iron	ppm	ASTM D5185m	>100	13	18	22
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m	>2	<1	1	<1
Silver	ppm	ASTM D5185m	>2	0	0	2
Aluminum	ppm	ASTM D5185m	>25	4	4	9
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m	>330	2	1	2
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	11	9	16
Potassium	ppm	ASTM D5185m	>20	2	<1	<1
Fuel		WC Method	>5	<1.0	<1.0	0.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	8.9	10.2	10.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	20.4	19.8
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
Sodium	ppm	ASTM D5185m		6	7	8
Boron	ppm	ASTM D5185m	65	44	45	49
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	65	61	64	79
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1160	1080	1063	61
Calcium	ppm	ASTM D5185m	820	901	1127	2325
Phosphorus	ppm	ASTM D5185m	1160	1091	1113	1166
Zinc	ppm	ASTM D5185m	1260	1318	1335	1410
Sulfur	ppm	ASTM D5185m	3000	3981	4266	5161
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.7	20.1	16.9
Base Number (BN)	mg KOH/g	ASTM D2896	11.0	8.9	7.4	5.3
Visc @ 100°C	cSt	ASTM D445	14.3	13.7	13.0	12.1

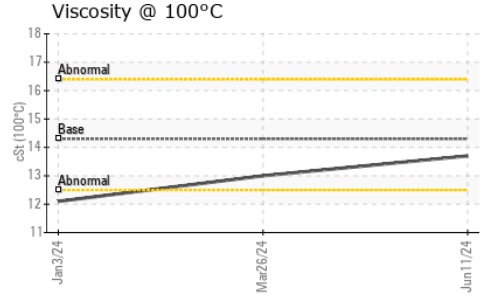
FT-IR (Direct Trend)



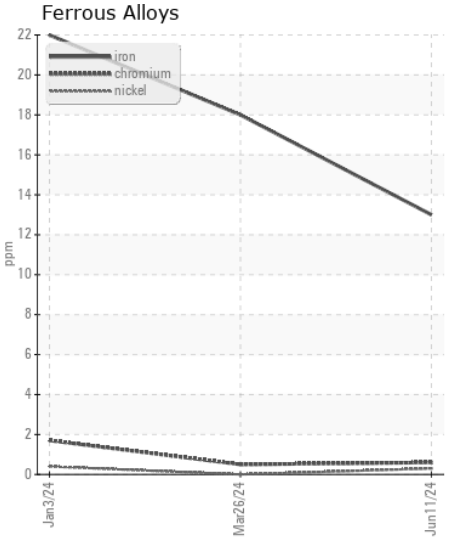
Base Number



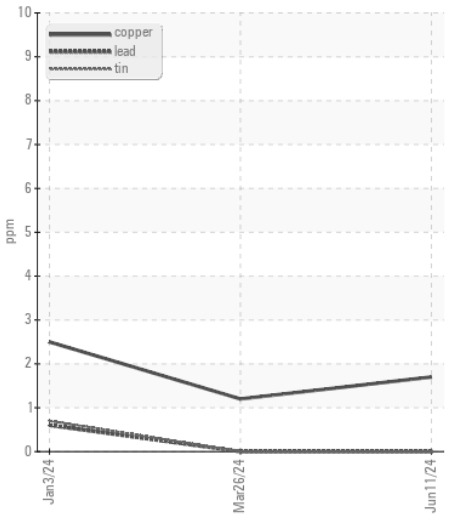
Viscosity @ 100°C



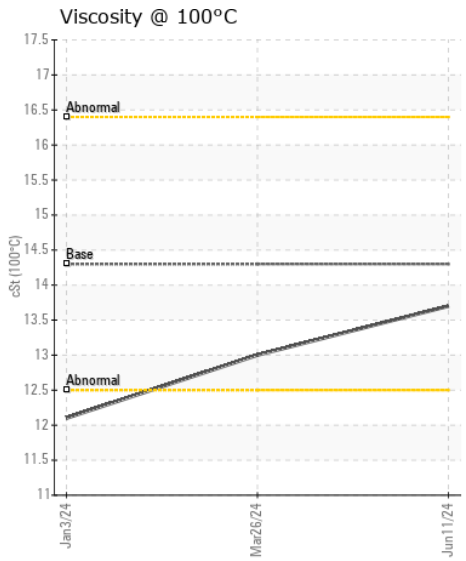
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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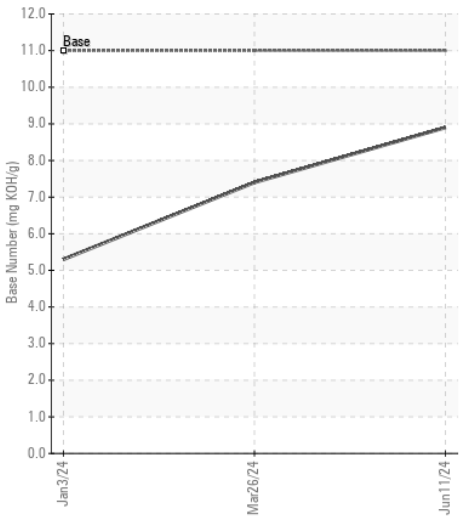

Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DE0000661
Lab Number : 06212875
Unique Number : 11085739
Test Package : FLEET

Received : 17 Jun 2024
Tested : 19 Jun 2024
Diagnosed : 19 Jun 2024 - Wes Davis

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)

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