



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
3000 series
 Machine Id
Navistar 3268
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (26 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0904868	WC0904898	WC0844390
Sample Date		Client Info		25 Feb 2024	11 Feb 2024	11 Aug 2023
Machine Age	mls	Client Info		149370	148976	149607
Oil Age	mls	Client Info		681	4369	3993
Filter Age	mls	Client Info		681	4369	3993
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	3	12	8
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	5	3
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	<1	3	2
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

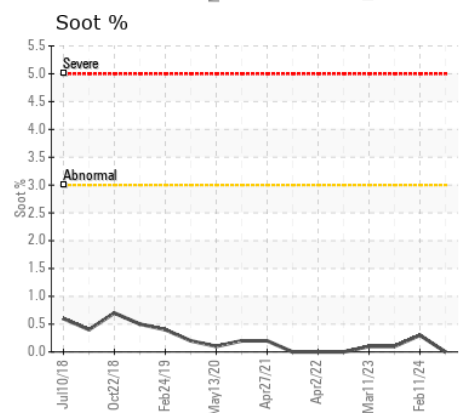
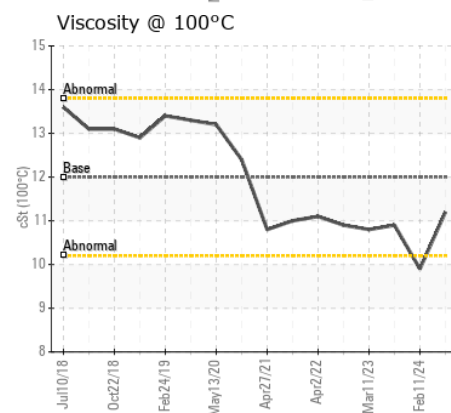
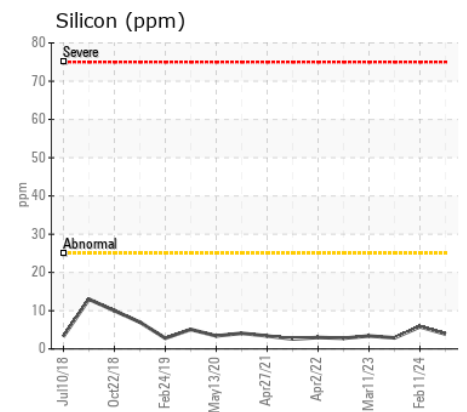
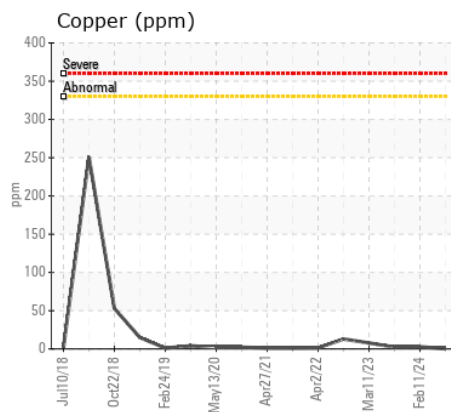
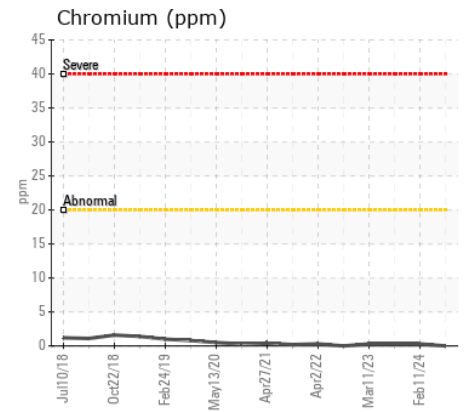
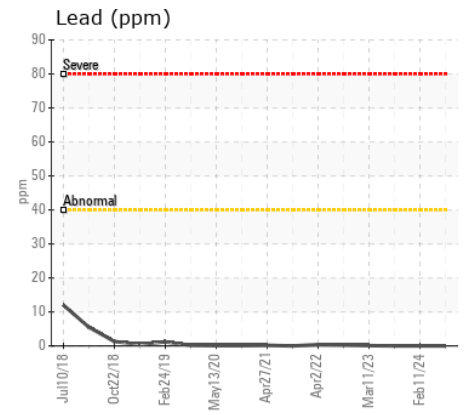
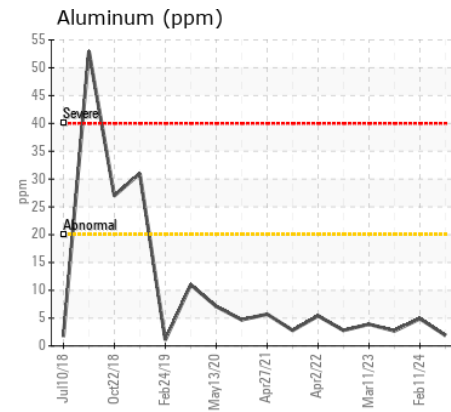
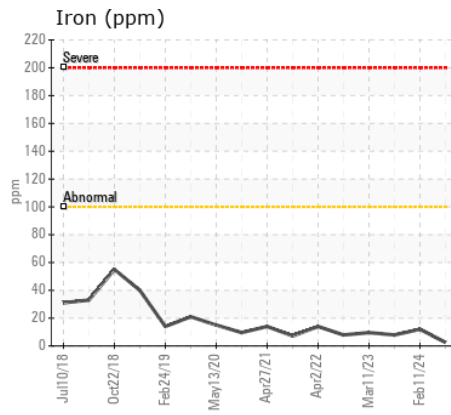
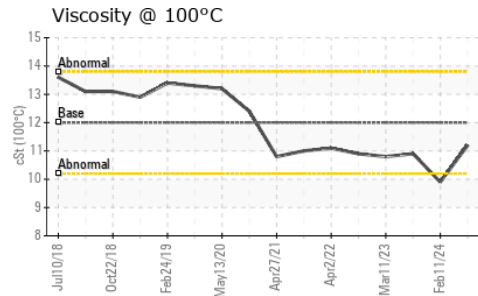
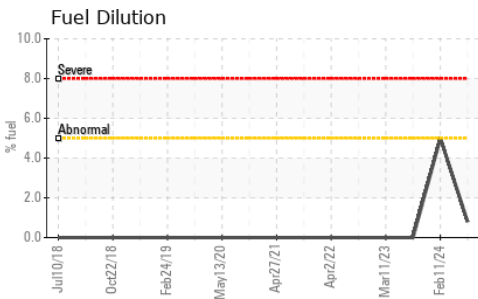
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	6	3
Potassium	ppm	ASTM D5185(m)	>20	<1	4	1
Fuel	%	ASTM D7593*	>5	0.8	▲ 5	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0.3	0.1
Nitration	Abs/cm	ASTM D7624*	>20	5.0	8.3	7.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.8	18.7	19.6
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<1	3	1
Boron	ppm	ASTM D5185(m)	2	8	6	8
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	50	58	58	58
Manganese	ppm	ASTM D5185(m)	0	0	0	<1
Magnesium	ppm	ASTM D5185(m)	950	936	909	932
Calcium	ppm	ASTM D5185(m)	1050	1023	1017	995
Phosphorus	ppm	ASTM D5185(m)	995	1015	994	1026
Zinc	ppm	ASTM D5185(m)	1180	1141	1112	1148
Sulfur	ppm	ASTM D5185(m)	2600	2782	2649	2568
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.5	15.3	15.1
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.2	▲ 9.9	10.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0904868 **Received** : 29 Feb 2024
Lab Number : 02618841 **Tested** : 01 Mar 2024
Unique Number : 5735951 **Diagnosed** : 01 Mar 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: PercentFuel)

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To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.