



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 2674 3595
Component
Diesel Engine
Fluid
KENDALL SUPER-D XA 15W40 (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0883044	WC0790840	WC0549202
Sample Date		Client Info		06 Mar 2024	10 May 2023	26 Feb 2021
Machine Age	kms	Client Info		316544	311435	303201
Oil Age	kms	Client Info		5109	8234	3979
Filter Age	kms	Client Info		5109	8234	3979
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 D5185(m)	>100	69	41	30
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		87	80	88
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	6	3	4
Lead	ppm	ASTM D5185(m)	>40	2	<1	<1
Copper	ppm	ASTM D5185(m)	>330	4	5	1
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINATION

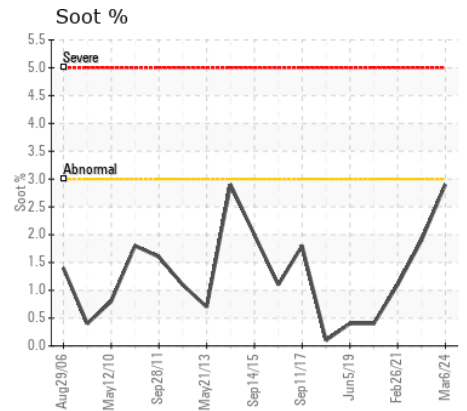
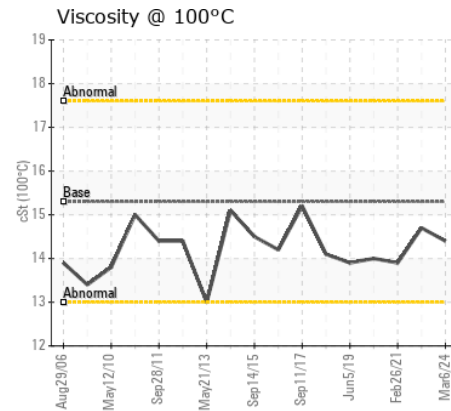
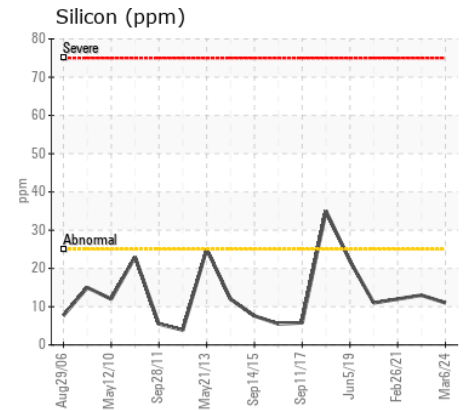
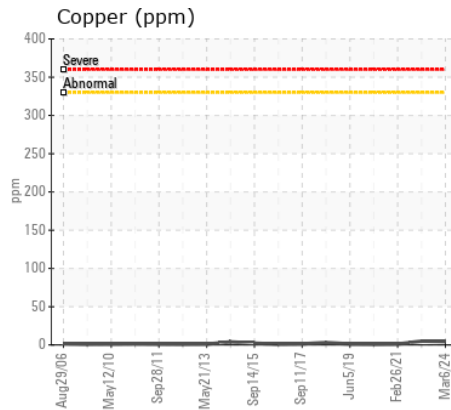
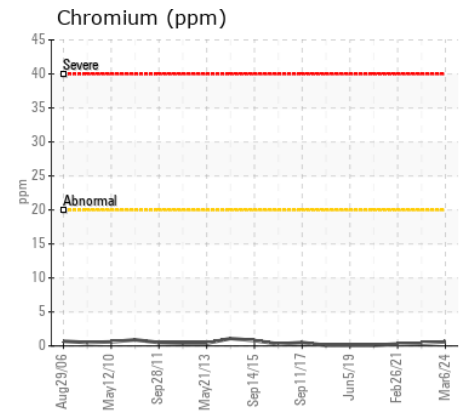
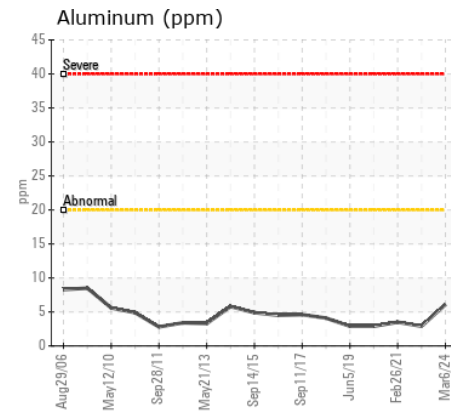
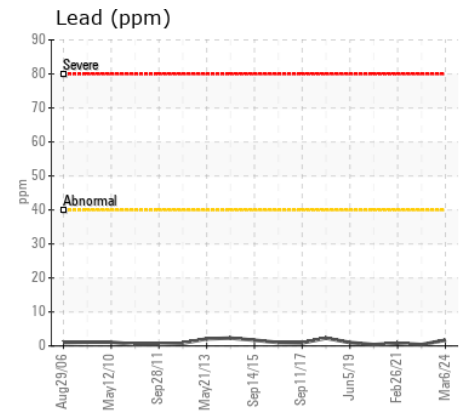
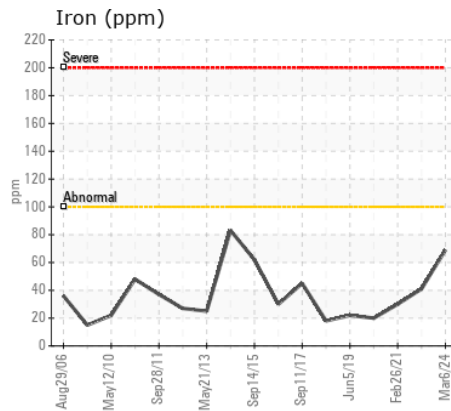
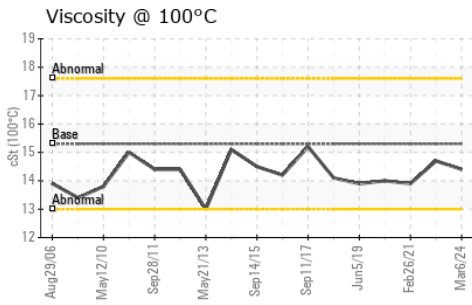
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	11	13	12
Potassium	ppm	ASTM D5185(m)	>20	2	3	3
Fuel		WC Method	>2.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	2.9	1.9	1.1
Nitration	Abs/cm	ASTM D7624*	>20	10.2	8.1	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	25.5	24.0	22.1
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)		3	5	4
Boron	ppm	ASTM D5185(m)		83	123	105
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		5	8	4
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		414	426	403
Calcium	ppm	ASTM D5185(m)		1798	1709	1698
Phosphorus	ppm	ASTM D5185(m)		969	1048	984
Zinc	ppm	ASTM D5185(m)	1260	1140	1147	1180
Sulfur	ppm	ASTM D5185(m)		3007	3252	3328
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.2	14.2	14.6
Visc @ 100°C	cSt	ASTM D7279(m)	15.3	14.4	14.7	13.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0883044 **Received** : 27 Mar 2024
Lab Number : 02624899 **Tested** : 27 Mar 2024
Unique Number : 5750018 **Diagnosed** : 27 Mar 2024 - Wes Davis
Test Package : MOB 1

CAPITAL PAVING
 BOX 815,, 4459 CONCESSION 7
 PUSLINCH, ON
 CA N0B 2J0
 Contact: Don Steenson
 dsteenson@capitalpaving.on.ca
 T: (519)822-4511
 F: (519)822-1454

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.