WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

NORMAL

Machine Id

1685

Component Rear Diesel Engine

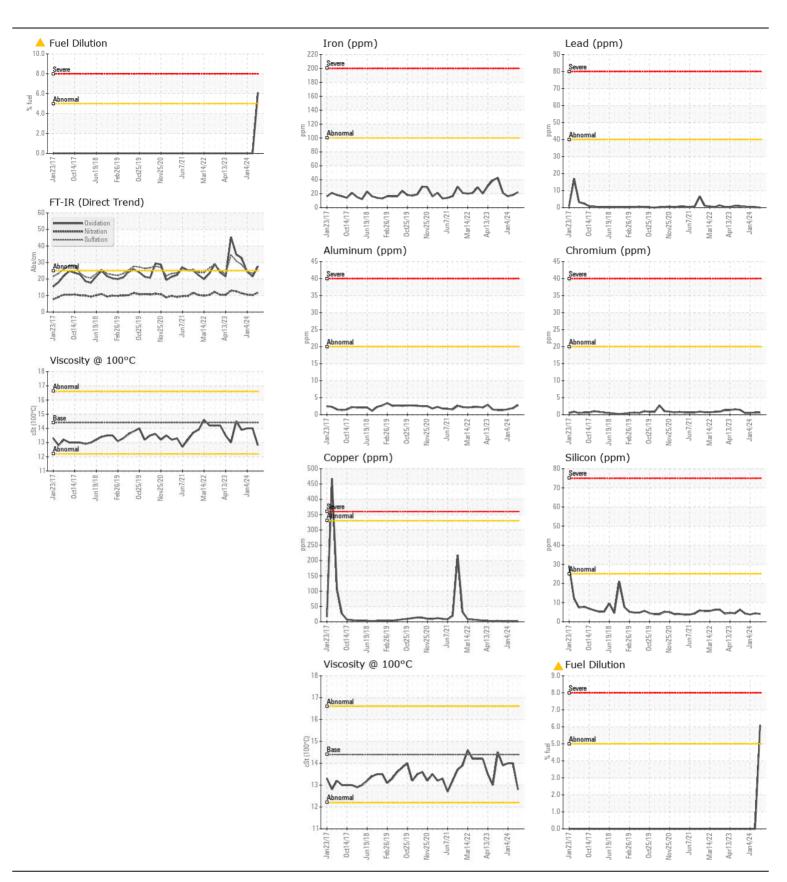
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample.	Sample Number		Client Info		WC0925689	WC0905419	WC088738
	Sample Date		Client Info		11 Apr 2024	21 Feb 2024	04 Jan 202
	Machine Age	hrs	Client Info		24816	24333	23822
	Oil Age	hrs	Client Info		483	511	512
	Filter Age	hrs	Client Info		483	511	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185(m)	>100	22	18	16
All component wear rates are normal.	Chromium	ppm	ASTM D5185(m)		<1	<1	<1
	Nickel	ppm	ASTM D5185(m)		0	<1	<1
	Titanium	ppm	ASTM D5185(m)		0	0	0
	Silver	ppm	ASTM D5185(m)	>3	0	0	0
	Aluminum	ppm	ASTM D5185(m)	>20	3	2	2
	Lead	ppm	ASTM D5185(m)		0	<1	<1
	Copper	ppm	ASTM D5185(m)	>330	1	1	1
	Tin	ppm	ASTM D5185(m)	>15	0	0	0
	Vanadium	ppm	ASTM D5185(m)		0	0	0
CONTAMINATION	Silicon	ppm	ASTM D5185(m)	>25	4	4	4
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.	Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
	Fuel	%	ASTM D7593*	>5	△ 6.1	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	ASTM D7844*	>3	0.9	0.8	0.6
	Nitration	Abs/cm	ASTM D7624*	>20	11.7	10.2	10.5
	Sulfation	Abs/.1mm	ASTM D7415*	>30	26.0	23.3	24.5
	Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)	>158	2	1	1
The oil is no longer serviceable due to the presence of contaminants.	Boron	ppm	ASTM D5185(m)	250	2	1	3
	Barium	ppm	ASTM D5185(m)	10	0	0	0
	Molybdenum	ppm	ASTM D5185(m)	100	56	57	59
	Manganese	ppm	ASTM D5185(m)		<1	0	0
	Magnesium	ppm	ASTM D5185(m)	450	931	932	956
	Calcium	ppm	ASTM D5185(m)	3000	1007	1153	1059
	Phosphorus	ppm	ASTM D5185(m)	1150	941	981	975
	Zinc	ppm	ASTM D5185(m)	1350	1124	1175	1156
	Sulfur	ppm	ASTM D5185(m)	4250	2304	2730	2573

Visc @ 100°C cSt

ASTM D7279(m) 14.4

14.0

12.8





ISO 17025:2017 Accredited Laboratory Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

 Sample No.
 : WC0925689
 Received
 : 25 Apr 2024

 Lab Number
 : 02631278
 Tested
 : 26 Apr 2024

 Unique Number
 : 5772431
 Diagnosed
 : 26 Apr 2024 - Kevin Marson

Test Package: MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)

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.

KINGSTON TRANSIT

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