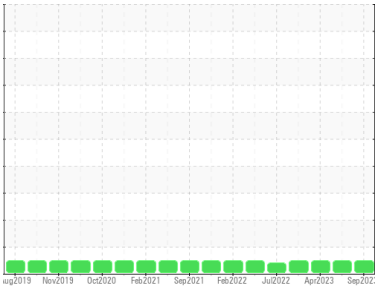
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
KENWORTH 1425
Component
Diesel Engine
Fluid
TRC PRO-SPEC IV XP SYN BLEND 15W40 (54 LTR)

DIAGNOSIS

Recommendation
Échantillonner de nouveau l`équipement au prochain intervalle de vidange afin d`en surveiller la condition.

Wear
Les taux d`usure de tous les composants sont normaux.

Contamination
Il n`y a aucun indice de contamination dans l`huile.

Fluid Condition
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l`huile. L`état de l`huile permet d`en prolonger l`utilisation.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**TR02586706**	TR02574145	TR02559133
Sample Date		Client Info		**22 Sep 2023**	26 Jul 2023	05 Apr 2023
Machine Age	hrs	Client Info		**17765**	17503	17263
Oil Age	hrs	Client Info		**502**	240	510
Oil Changed		Client Info		**Not Changd**	Not Changd	Changed
Sample Status				**NORMAL**	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	**<1.0**	<1.0	<1.0
Glycol		WC Method		**NEG**	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>165	**39**	33	26
Chromium	ppm	ASTM D5185(m)	>5	**<1**	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	**0**	0	<1
Titanium	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Silver	ppm	ASTM D5185(m)	>2	**<1**	0	0
Aluminum	ppm	ASTM D5185(m)	>20	**3**	3	2
Lead	ppm	ASTM D5185(m)	>150	**32**	23	19
Copper	ppm	ASTM D5185(m)	>90	**5**	4	3
Tin	ppm	ASTM D5185(m)	>5	**0**	<1	<1
Antimony	ppm	ASTM D5185(m)		**0**	0	<1
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**1**	1	1
Barium	ppm	ASTM D5185(m)		**<1**	0	0
Molybdenum	ppm	ASTM D5185(m)		**21**	21	21
Manganese	ppm	ASTM D5185(m)		**0**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**20**	20	18
Calcium	ppm	ASTM D5185(m)		**4756**	4547	4734
Phosphorus	ppm	ASTM D5185(m)		**979**	1032	1030
Zinc	ppm	ASTM D5185(m)		**1133**	1114	1085
Sulfur	ppm	ASTM D5185(m)		**3547**	3536	3562
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>35	**7**	6	6
Sodium	ppm	ASTM D5185(m)		**8**	7	5
Potassium	ppm	ASTM D5185(m)	>20	**3**	3	2

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>7.5	**0.3**	0.3	0.2
Nitration	Abs/cm	ASTM D7624*	>20	**15.5**	15.5	14.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	**29.4**	29.6	26.1

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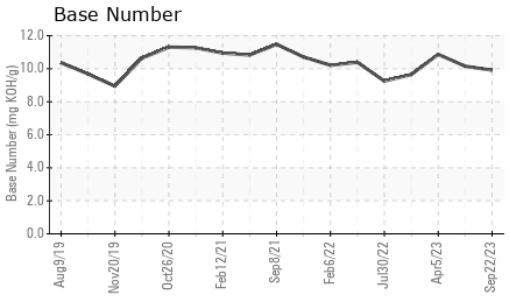
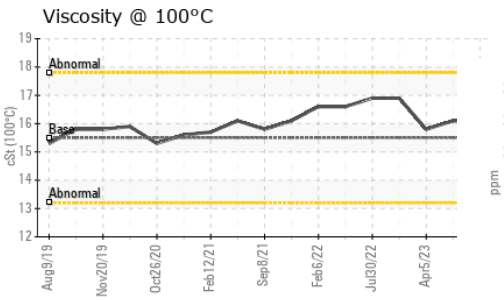


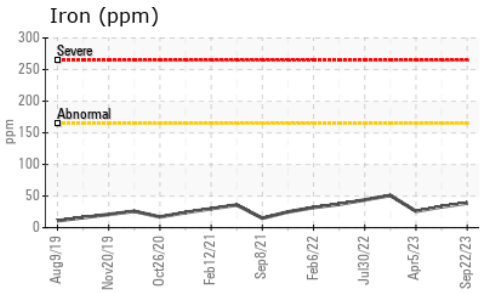


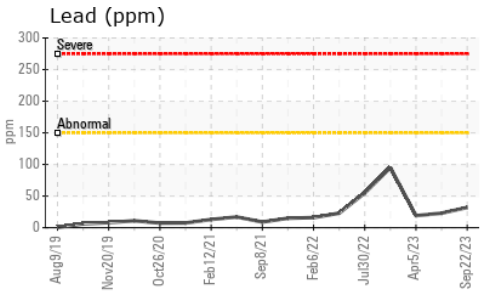
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**19.6**	18.3	16.3
Base Number (BN)	mg KOH/g	ASTM D2896*		**9.91**	10.15	10.87

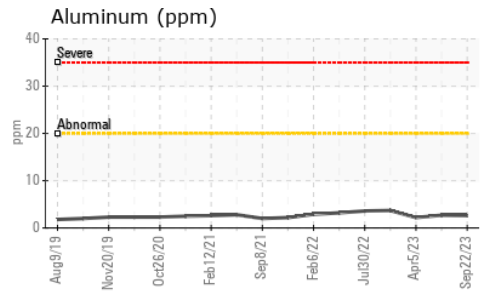
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

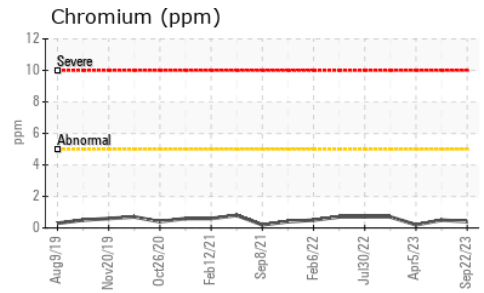
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	**16.1**	16.1	15.8

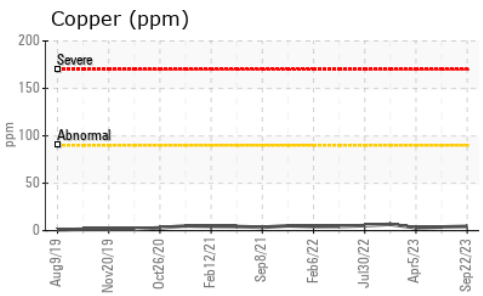
GRAPHS

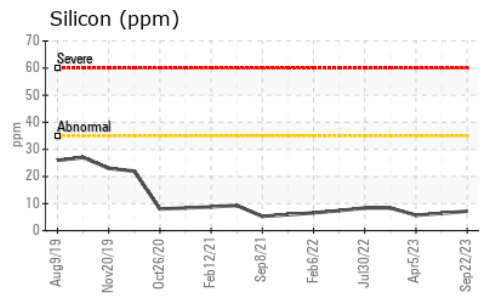


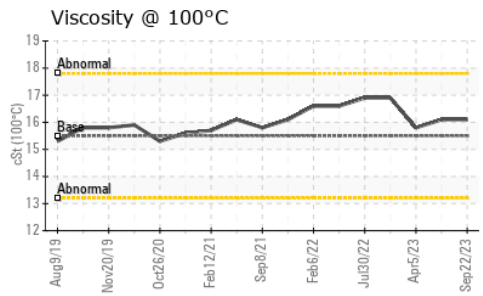


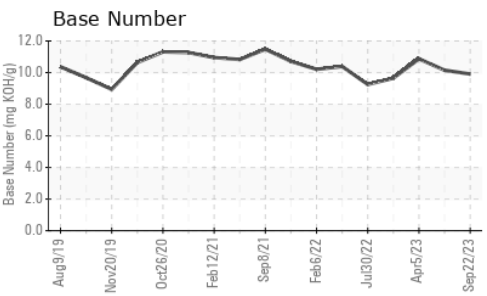












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : TR02586706
Lab Number : 02586706
Unique Number : 5655772
Test Package : MOB 2

Received : 04 Oct 2023
Diagnosed : 05 Oct 2023
Diagnostician : Kevin Marson

To discuss this sample report, contact Customer Service at 1-800-827-0711.
** - 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)

MARTIN MOUSSEAU
424 CHEVERNY
ST-PAUL, QC
CA J0K 3E0
Contact: MARTIN

T: (450)755-4983
F: (450)755-5361