



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**KENWORTH 21-21**  
 Component  
**Diesel Engine**  
 Fluid  
**APRIL SUPERFLO SUPERPRO RXL SYN 5W40 (--- GAL)**

## RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>ASF0000368</b>	ASF0000388	ASF0000190
Sample Date		Client Info		<b>16 May 2024</b>	07 Mar 2024	21 Dec 2023
Machine Age	hrs	Client Info		<b>7898</b>	7464	6938
Oil Age	hrs	Client Info		<b>434</b>	526	496
Filter Age	hrs	Client Info		<b>0</b>	526	496
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>90	<b>9</b>	15	11
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	3	3
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

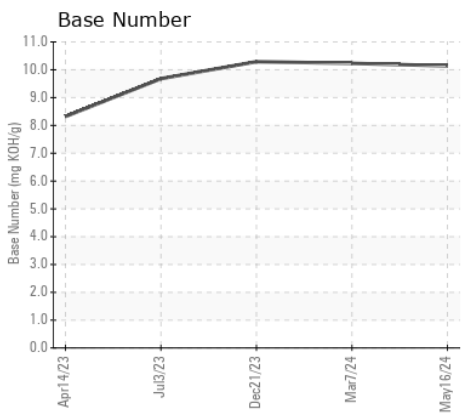
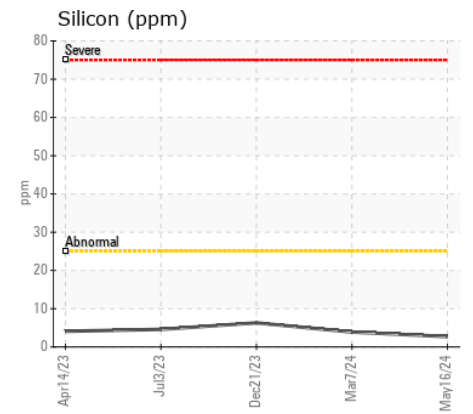
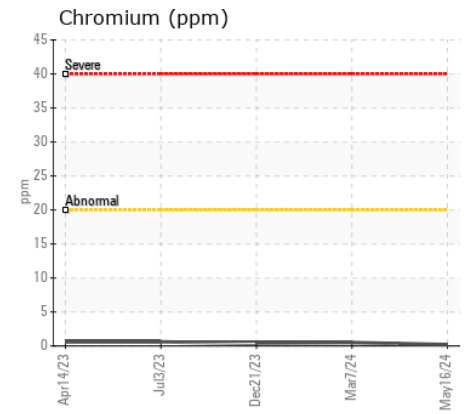
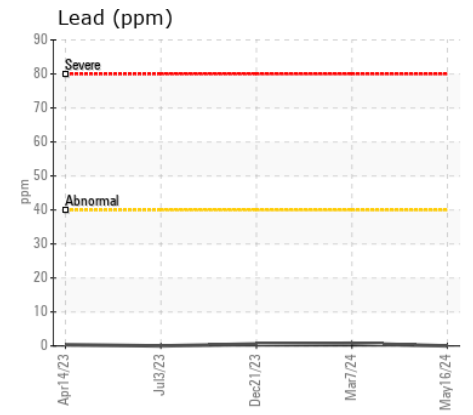
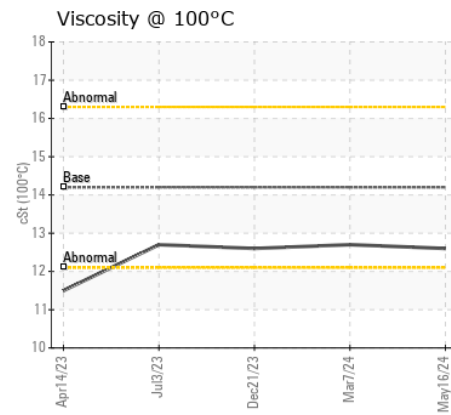
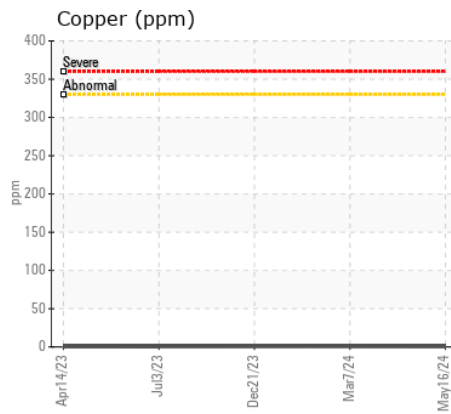
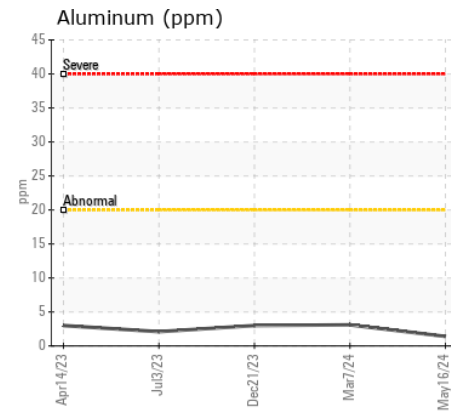
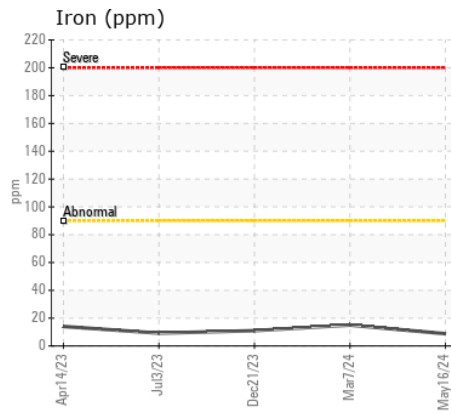
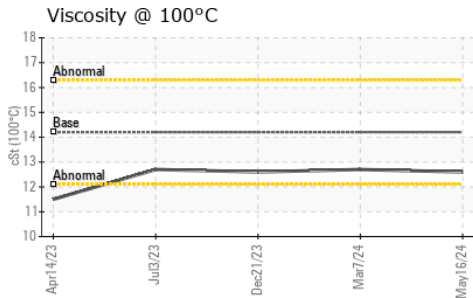
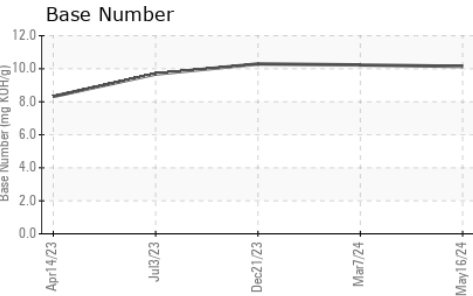
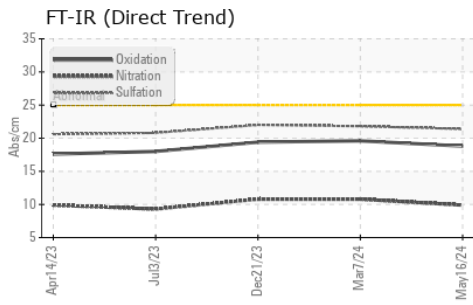
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	4	6
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	5	4
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>6	<b>0.2</b>	0.3	0.3
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.9</b>	10.8	10.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.4</b>	21.8	22.0
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## 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.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	4	4
Boron	ppm	ASTM D5185(m)		<b>27</b>	33	26
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>59</b>	62	62
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>1089</b>	1100	1131
Calcium	ppm	ASTM D5185(m)		<b>838</b>	877	913
Phosphorus	ppm	ASTM D5185(m)		<b>982</b>	1034	1043
Zinc	ppm	ASTM D5185(m)		<b>1188</b>	1218	1232
Sulfur	ppm	ASTM D5185(m)		<b>2693</b>	2964	2974
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.8</b>	19.6	19.4
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>10.14</b>	10.23	10.29
Visc @ 100°C	cSt	ASTM D7279(m)	14.2	<b>12.6</b>	12.7	12.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : ASF0000368 **Received** : 24 May 2024  
**Lab Number** : 02637359 **Tested** : 24 May 2024  
**Unique Number** : 5786521 **Diagnosed** : 24 May 2024 - Wes Davis  
**Test Package** : MOB 2

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.

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