OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 117375
Component
Diesel Engine
Fluid
CHEVRON 15W40 (46 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

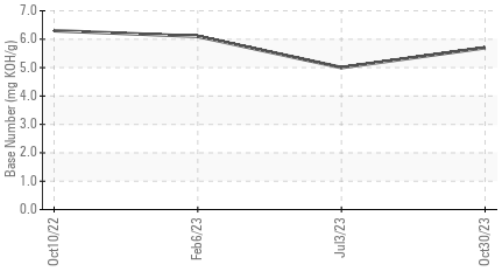
There is no indication of any contamination in the oil.

FLUID CONDITION

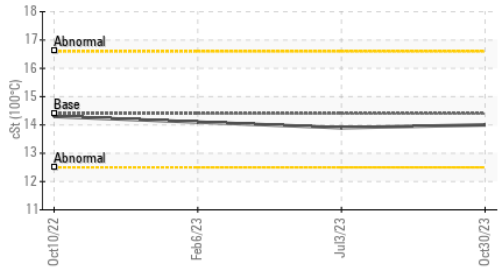
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		RPL0009882	RPL0009843	RPL0003422
Sample Date		Client Info		30 Oct 2023	03 Jul 2023	06 Feb 2023
Machine Age	mls	Client Info		394152	336662	260801
Oil Age	mls	Client Info		57490	75861	39117
Filter Age	mls	Client Info		57490	75861	39117
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	27	56	30
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	5	10	7
Lead	ppm	ASTM D5185m	>40	1	2	1
Copper	ppm	ASTM D5185m	>330	3	7	3
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	13	8	12
Potassium	ppm	ASTM D5185m	>20	8	10	7
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.8	1.1	0.8
Nitration	Abs/cm	*ASTM D7624	>20	9.1	11.2	9.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.6	28.6	25.8
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>50	0	<1	2
Boron	ppm	ASTM D5185m		41	15	72
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		85	85	89
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		385	364	406
Calcium	ppm	ASTM D5185m		1494	1643	1509
Phosphorus	ppm	ASTM D5185m		918	1053	1039
Zinc	ppm	ASTM D5185m		1304	1333	1303
Sulfur	ppm	ASTM D5185m		3124	3481	3589
Oxidation	Abs/.1mm	*ASTM D7414	>25	18.3	21.2	18.5
Base Number (BN)	mg KOH/g	ASTM D2896		5.7	5.0	6.1
Visc @ 100°C	cSt	ASTM D445	14.4	14.0	13.9	14.1

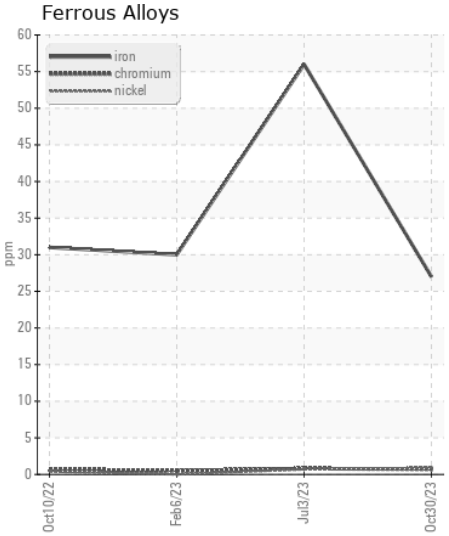
Base Number



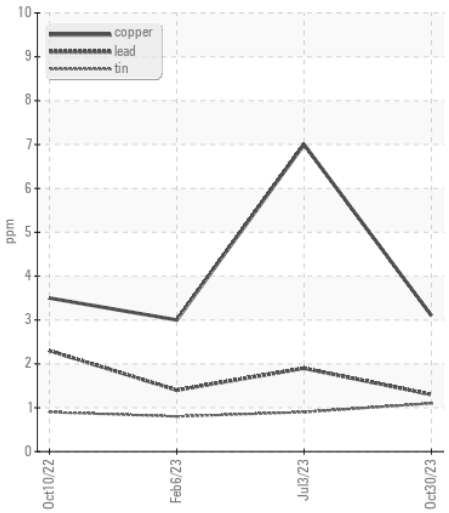
Viscosity @ 100°C



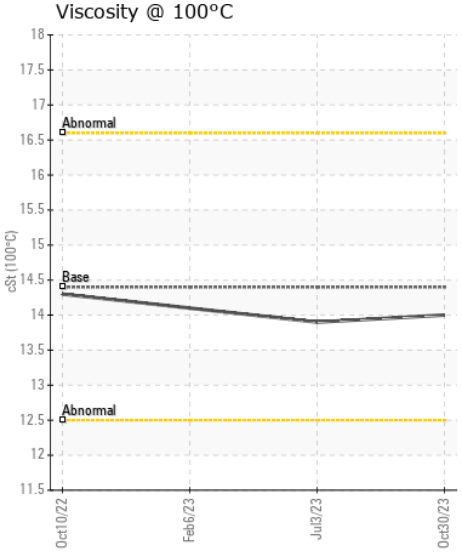
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 100°C



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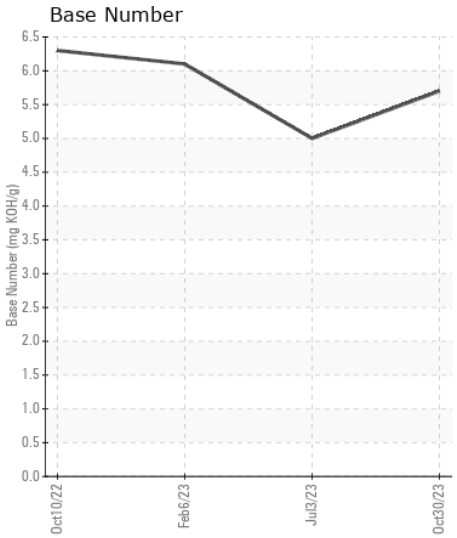

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: RPL0009882	**Recieved**	: 09 Jan 2024
Lab Number	: 06055242	**Diagnosed**	: 10 Jan 2024
Unique Number	: 10821191	**Diagnostician**	: Wes Davis
Test Package	: FLEET		

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - 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)

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