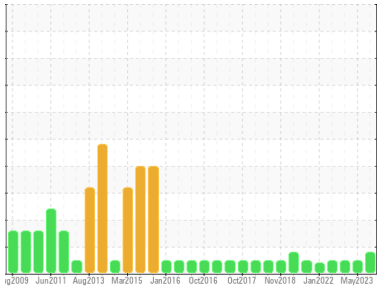
OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Machine Id
PETERBILT 7707H
Component
Hydraulic System
Fluid
CHEVRON DELO 400 MULTIGRADE 15W40 (60 GAL)

DIAGNOSIS

Recommendation
No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear
All component wear rates are normal.

Contamination
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Fluid Condition
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**KL0012918**	KL0012168	KL0010024
Sample Date		Client Info		**06 Sep 2023**	03 May 2023	16 Dec 2022
Machine Age	mls	Client Info		**156601**	154429	151849
Oil Age	mls	Client Info		**0**	0	0
Oil Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**ATTENTION**	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	**14**	13	9
Chromium	ppm	ASTM D5185m	>10	**3**	3	2
Nickel	ppm	ASTM D5185m	>10	**0**	<1	0
Titanium	ppm	ASTM D5185m		**<1**	<1	<1
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>10	**<1**	6	2
Lead	ppm	ASTM D5185m	>10	**2**	2	0
Copper	ppm	ASTM D5185m	>75	**12**	11	12
Tin	ppm	ASTM D5185m	>10	**<1**	2	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

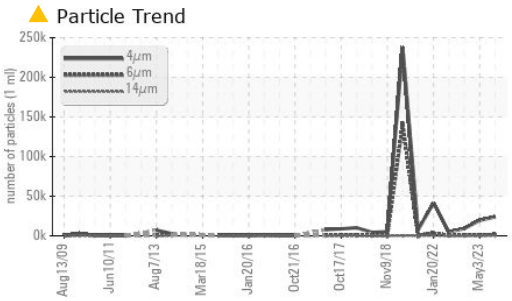
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	151	**25**	23	9
Barium	ppm	ASTM D5185m	0.4	**0**	0	0
Molybdenum	ppm	ASTM D5185m	250	**61**	62	65
Manganese	ppm	ASTM D5185m		**<1**	<1	<1
Magnesium	ppm	ASTM D5185m	0	**955**	954	928
Calcium	ppm	ASTM D5185m	2046	**1108**	1129	1196
Phosphorus	ppm	ASTM D5185m	1043	**1027**	1092	1074
Zinc	ppm	ASTM D5185m	943	**1228**	1290	1236
Sulfur	ppm	ASTM D5185m	5012	**3310**	4022	3995

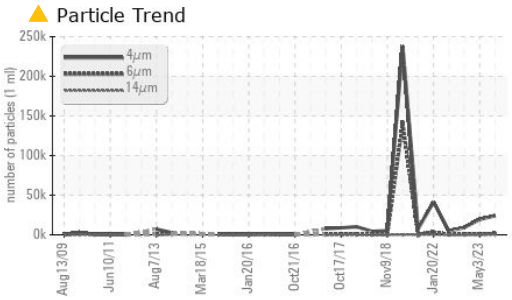
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**6**	7	5
Sodium	ppm	ASTM D5185m		**4**	3	2
Potassium	ppm	ASTM D5185m	>20	**<1**	2	0

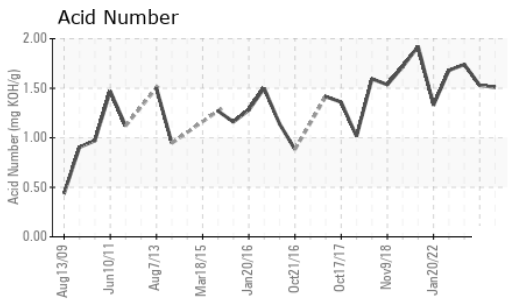
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647		**24022**	19480	9139
Particles >6µm		ASTM D7647	>1300	▲ **1572**	865	949
Particles >14µm		ASTM D7647	>160	**17**	14	25
Particles >21µm		ASTM D7647	>40	**4**	1	5
Particles >38µm		ASTM D7647	>10	**0**	0	1
Particles >71µm		ASTM D7647	>3	**0**	0	0
Oil Cleanliness		ISO 4406 (c)	>17/14	▲ **18/11**	17/11	17/12

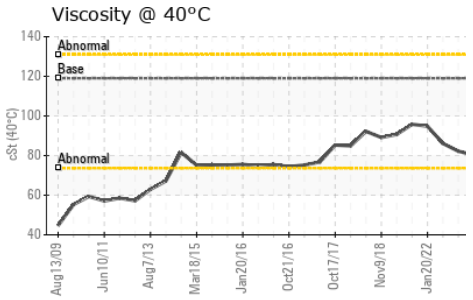
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**1.51**	1.53	1.74

OIL ANALYSIS REPORT







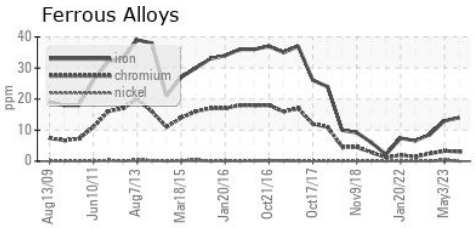


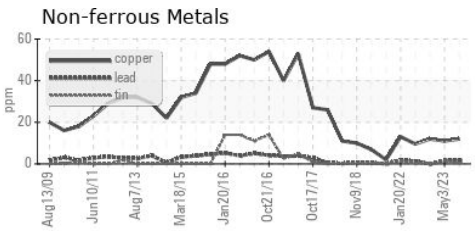
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

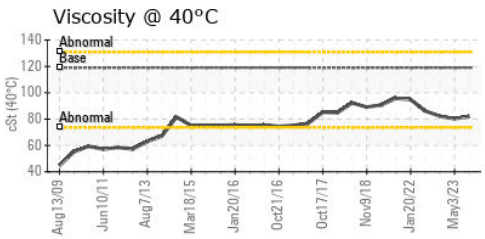
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	119	**81.9**	80.3	82.2

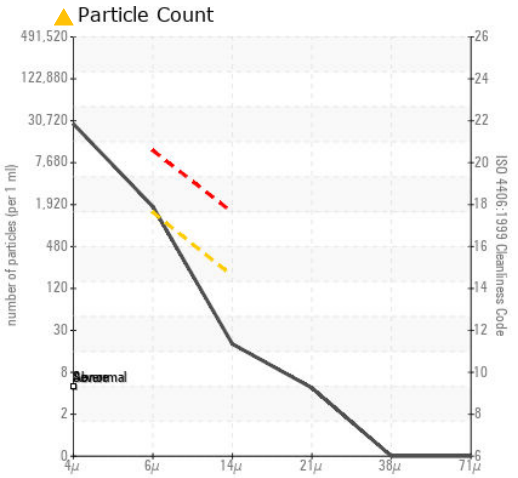
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

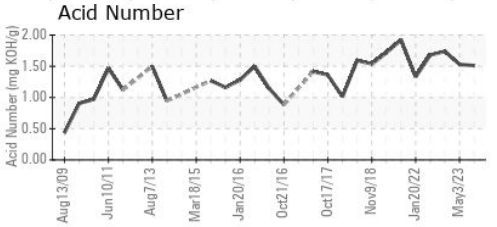
GRAPHS











Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012918
Lab Number : 05965353
Unique Number : 10671904
Test Package : MOB 2

Received : 29 Sep 2023
Diagnosed : 02 Oct 2023
Diagnostician : Don Baldridge

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)

VILLAGE OF RUIDOSO
313 CREE MEADOWS DR
RUIDOSO, NM
US 88355
Contact: JERRY PARSONS
jerryparsons@ruidoso-nm.gov
T: (575)257-1702
F: x: