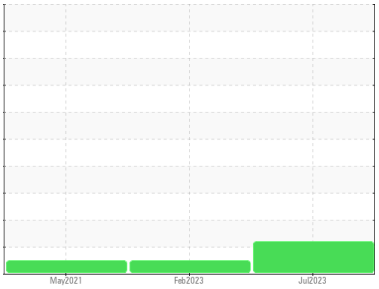
PROBLEM SUMMARY

Area
SCHTRUCK
Machine Id
6280 [SCHTRUCK]
Component
Front Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

Sample Rating Trend



DEGRADATION

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				**ABNORMAL**	NORMAL	NORMAL
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	▲ **2.8**	3.4	---

Customer Id: SCHPLA
Sample No.: SBP0004731
Lab Number: 05899232
Test Package: FLEET

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid	---	---	?	Oil and filter change at the time of sampling has been noted.
Change Filter	---	---	?	Oil and filter change at the time of sampling has been noted.

HISTORICAL DIAGNOSIS

01 Feb 2023 Diag: Jonathan Hester

NORMAL

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

view report

24 May 2021 Diag: Wes Davis

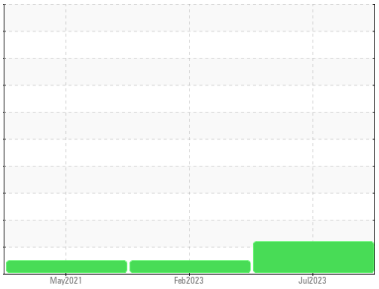
NORMAL

Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION

Area
SCHTRUCK
Machine Id
6280 [SCHTRUCK]
Component
Front Diesel Engine
Fluid
PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation
Oil and 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 no indication of any contamination in the oil.

Fluid Condition
The BN level is low. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**SBP0004731**	SBP0002524	SBP47480040
Sample Date		Client Info		**11 Jul 2023**	01 Feb 2023	24 May 2021
Machine Age	mls	Client Info		**389129**	347381	134425
Oil Age	mls	Client Info		**41748**	38576	32939
Oil Changed		Client Info		**Changed**	Changed	Changed
Sample Status				**ABNORMAL**	NORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	**<1.0**	<1.0	<1.0
Glycol		WC Method		**NEG**	NEG	0.0

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	**55**	48	22
Chromium	ppm	ASTM D5185m	>20	**2**	2	1
Nickel	ppm	ASTM D5185m	>2	**<1**	<1	1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m	>2	**<1**	0	0
Aluminum	ppm	ASTM D5185m	>25	**9**	10	8
Lead	ppm	ASTM D5185m	>40	**3**	4	1
Copper	ppm	ASTM D5185m	>330	**3**	3	9
Tin	ppm	ASTM D5185m	>15	**1**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

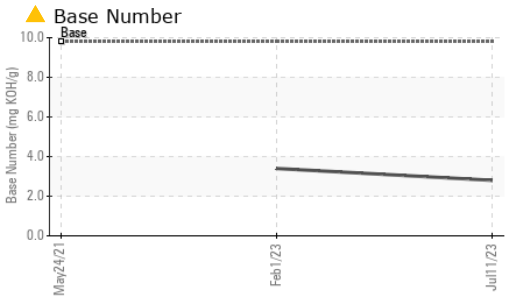
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	**2**	30	13
Barium	ppm	ASTM D5185m	0	**0**	0	0
Molybdenum	ppm	ASTM D5185m	60	**69**	49	5
Manganese	ppm	ASTM D5185m	0	**1**	<1	0
Magnesium	ppm	ASTM D5185m	1010	**1080**	512	653
Calcium	ppm	ASTM D5185m	1070	**1336**	1591	1223
Phosphorus	ppm	ASTM D5185m	1150	**1190**	739	668
Zinc	ppm	ASTM D5185m	1270	**1480**	947	734
Sulfur	ppm	ASTM D5185m	2060	**3268**	2434	---

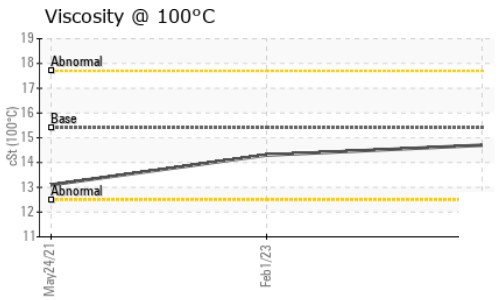
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	**8**	10	7
Sodium	ppm	ASTM D5185m		**13**	12	8
Potassium	ppm	ASTM D5185m	>20	**12**	4	13
Chlorine	ppm	ASTM D5185m		**---**	---	0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	**0.5**	0.7	0.61
Nitration	Abs/cm	*ASTM D7624	>20	**16.8**	18.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	**29.7**	31.0	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	**37.2**	40.4	1
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	▲ **2.8**	3.4	---

OIL ANALYSIS REPORT

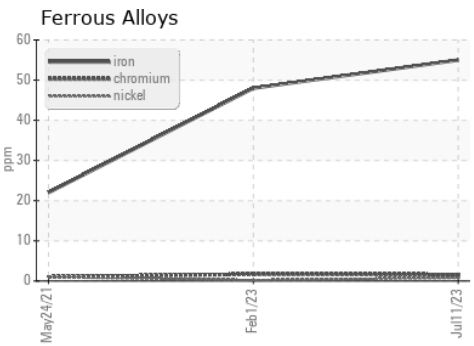


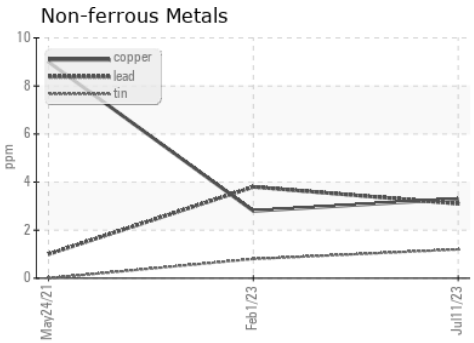


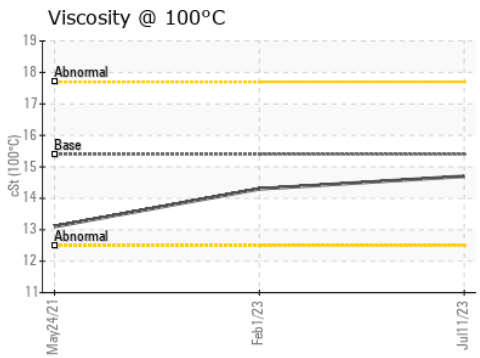
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

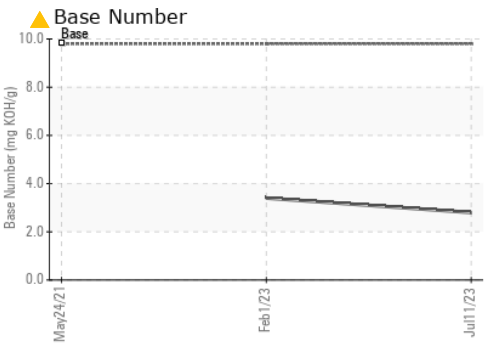
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	**14.7**	14.3	13.1

GRAPHS









Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004731
Lab Number : 05899232
Unique Number : 10560588
Test Package : FLEET

Received : 14 Jul 2023
Diagnosed : 18 Jul 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)

SCHMIDT TRANSPORTATION - 605449
108 E Bay Road
Plattsmouth, NE
US 68048
Contact: NICK DOTY
doty@liquidtrucking.com
T: (402)949-9398
F:

Report Id: SCHPLA [WUSCAR] 05899232 (Generated: 07/18/2023 18:17:12) Rev: 1

Submitted By: CASEY WILKIE