



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
UNKNOWN WESTERN STAR 02-5070 - Western star tractor (S/N 5KJNABFG7NPNL8134)

Component
Rear Differential

Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)

DIAGNOSIS

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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	SBP0004855	---	---
Sample Date	Client Info	11 Oct 2023	---	---
Machine Age	hrs Client Info	4289	---	---
Oil Age	hrs Client Info	2242	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		NORMAL	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm ASTM D5185m	>500	97	---	---
Chromium ppm ASTM D5185m	>10	3	---	---
Nickel ppm ASTM D5185m	>10	<1	---	---
Titanium ppm ASTM D5185m		0	---	---
Silver ppm ASTM D5185m		0	---	---
Aluminum ppm ASTM D5185m	>25	4	---	---
Lead ppm ASTM D5185m	>25	0	---	---
Copper ppm ASTM D5185m	>100	2	---	---
Tin ppm ASTM D5185m	>10	<1	---	---
Vanadium ppm ASTM D5185m		0	---	---
Cadmium ppm ASTM D5185m		0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm ASTM D5185m	328	301	---	---
Barium ppm ASTM D5185m	1	0	---	---
Molybdenum ppm ASTM D5185m		<1	---	---
Manganese ppm ASTM D5185m		4	---	---
Magnesium ppm ASTM D5185m	1	1	---	---
Calcium ppm ASTM D5185m	7	11	---	---
Phosphorus ppm ASTM D5185m	1145	1377	---	---
Zinc ppm ASTM D5185m	3	0	---	---
Sulfur ppm ASTM D5185m	17909	26543	---	---

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185m	>75	37	---	---
Sodium ppm ASTM D5185m		4	---	---
Potassium ppm ASTM D5185m	>20	3	---	---

VISUAL

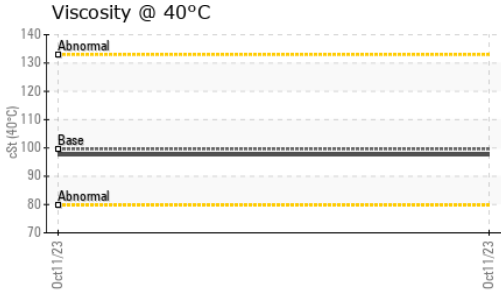
method	limit/base	current	history1	history2
White Metal scalar *Visual	NONE	NONE	---	---
Yellow Metal scalar *Visual	NONE	NONE	---	---
Precipitate scalar *Visual	NONE	NONE	---	---
Silt scalar *Visual	NONE	NONE	---	---
Debris scalar *Visual	NONE	NONE	---	---
Sand/Dirt scalar *Visual	NONE	NONE	---	---
Appearance scalar *Visual	NORML	NORML	---	---
Odor scalar *Visual	NORML	NORML	---	---
Emulsified Water scalar *Visual	>.2	NEG	---	---
Free Water scalar *Visual		NEG	---	---

FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C cSt ASTM D445	99.6	97.6	---	---

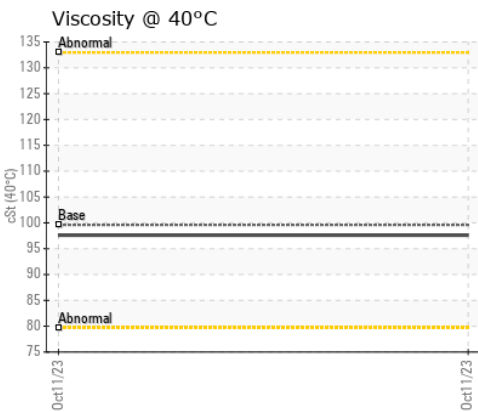
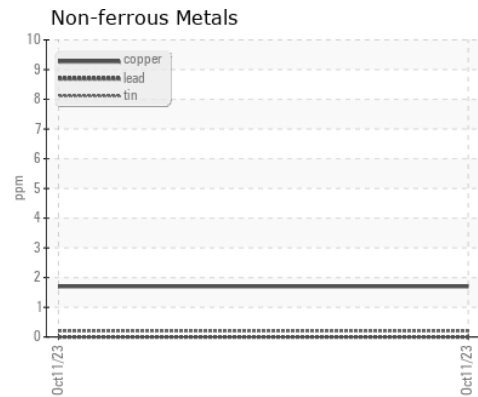
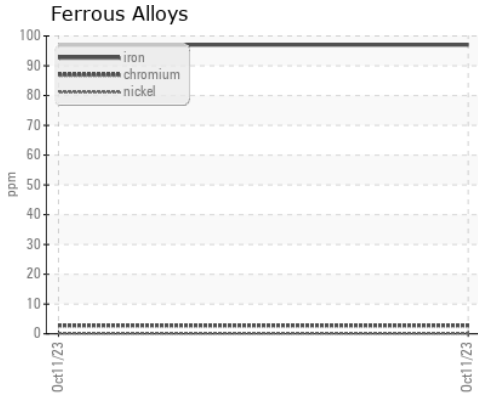


OIL ANALYSIS REPORT



SAMPLE IMAGES	method	limit/base	current	history1	history2
Color			no image	no image	no image
Bottom			no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : SBP0004855 **Received** : 16 Oct 2023
Lab Number : 05980766 **Diagnosed** : 18 Oct 2023
Unique Number : 10698061 **Diagnostician** : Don Baldrige
Test Package : FLEET

Constructors Inc. - 603659
 1815 Y Street
 Lincoln, NE
 US 68508

Contact: Jack Linhart
 jackl@constructorslincoln.com
 T: (402)434-2157
 F:

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)