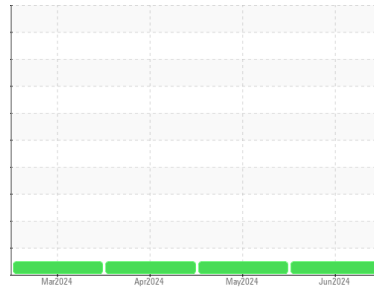# OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Machine Id
SPC2
Component
Front Left Final Drive
Fluid
PETRO CANADA TRAXON 80W90 (--- GAL)

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear
All component wear rates are normal.

Contamination
There is no indication of any contamination 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

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		**PCA0123734**	PCA0123808	PCA0118443
Sample Date	Client Info		**26 Jun 2024**	13 May 2024	08 Apr 2024
Machine Age	hrs	Client Info	**10450**	9562	8864
Oil Age	hrs	Client Info	**500**	0	0
Oil Changed	Client Info		**Not Changd**	Not Changd	Changed
Sample Status			**NORMAL**	NORMAL	NORMAL

CONTAMINATION

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>0.2	**NEG**	NEG	NEG

WEAR METALS

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	**40**	9	18
Chromium	ppm	ASTM D5185m	>10	**0**	<1	0
Nickel	ppm	ASTM D5185m	>10	**<1**	0	0
Titanium	ppm	ASTM D5185m		**0**	<1	0
Silver	ppm	ASTM D5185m		**0**	<1	0
Aluminum	ppm	ASTM D5185m	>25	**<1**	1	0
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>50	**0**	<1	<1
Tin	ppm	ASTM D5185m	>10	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**0**	<1	0
Cadmium	ppm	ASTM D5185m		**0**	0	0

ADDITIVES

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	243	**260**	320	299
Barium	ppm	ASTM D5185m	1	**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	<1	0
Manganese	ppm	ASTM D5185m		**<1**	0	0
Magnesium	ppm	ASTM D5185m	2	**1**	1	1
Calcium	ppm	ASTM D5185m	6	**11**	<1	81
Phosphorus	ppm	ASTM D5185m	987	**1049**	1096	1048
Zinc	ppm	ASTM D5185m	1	**0**	<1	16
Sulfur	ppm	ASTM D5185m	21530	**23018**	21271	23253

CONTAMINANTS

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	**9**	8	0
Sodium	ppm	ASTM D5185m		**3**	<1	2
Potassium	ppm	ASTM D5185m	>20	**<1**	1	2

FLUID DEGRADATION

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.9	**1.81**	1.73	1.75

OIL ANALYSIS REPORT

360 TECHNICAL EXPERTISE | OIL DIAGNOSTICS

Acid Number

Viscosity @ 40°C
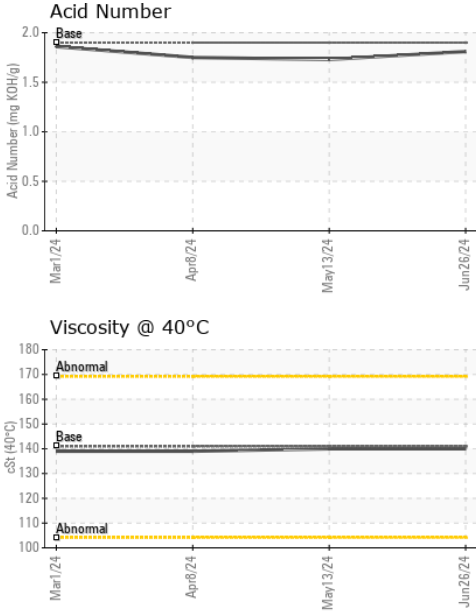
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	**NEG**	NEG	NEG
Free Water	scalar	*Visual		**NEG**	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	141.0	**140**	140	139

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

GRAPHS

Iron (ppm)

Lead (ppm)

Aluminum (ppm)

Chromium (ppm)

Copper (ppm)

Silicon (ppm)

Viscosity @ 40°C

Acid Number
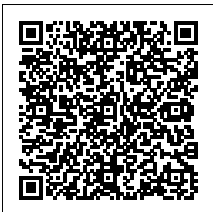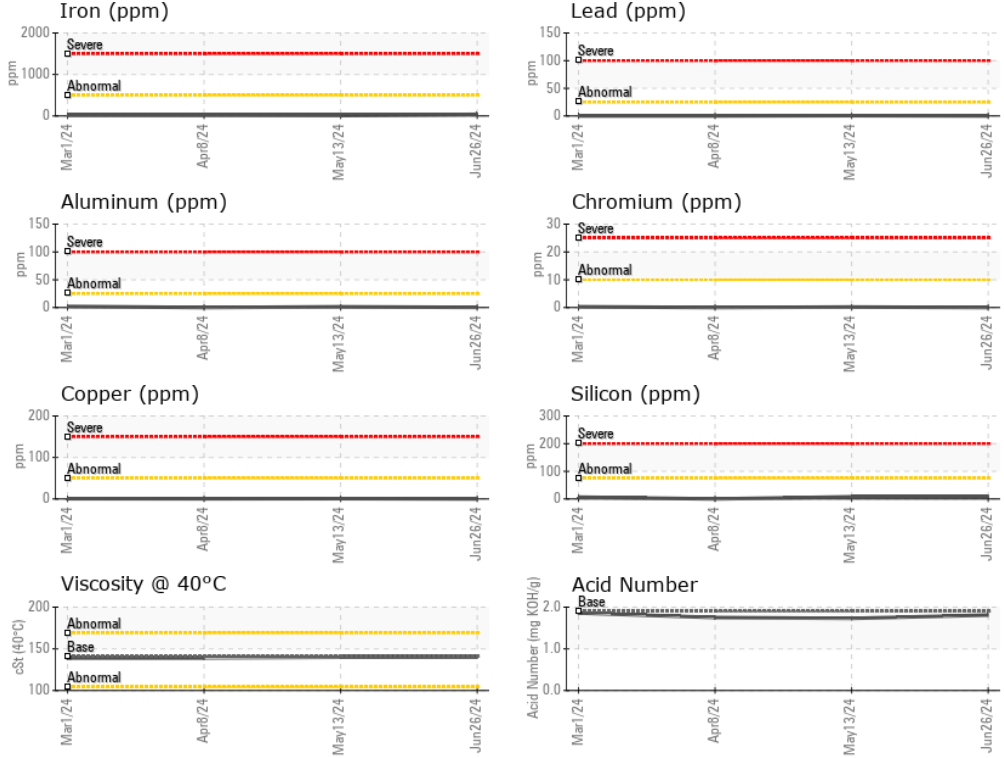
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY — Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0123734   **Received** : 02 Jul 2024
Lab Number : 06226418   **Tested** : 03 Jul 2024
Unique Number : 11109911   **Diagnosed** : 03 Jul 2024 - Wes Davis
Test Package : MOB 2

SCRAP METAL SERVICES (SMS Mill Services LLC)
1500 COMMERCIAL AVE
MINGO JUNCTION, OH
US 43938
Contact: FRANK NALLY
fnally@scrapmetalservices.com
T:
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)

Report Id: SCRMIN [WUSCAR] 06226418 (Generated: 07/03/2024 11:39:57) Rev: 1 — Submitted By: TIM RANDOLPH — Page 2 of 2