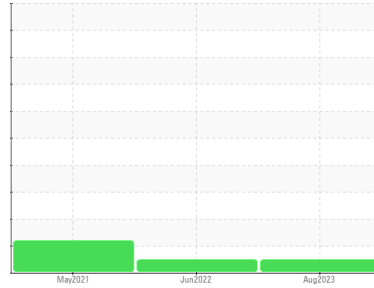


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MINSTER MINSTER 42
 Component
Gearbox
 Fluid
PETRO CANADA ENDURATEX EP 150 (40 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		PCA0104041	PCA0076580	PCA0032692
Sample Date	Client Info		24 Aug 2023	22 Jun 2022	24 May 2021
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	4000	0
Oil Changed	Client Info		Not Changed	Not Changd	Not Changed
Sample Status			NORMAL	NORMAL	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >200	25	24	11
Chromium	ppm	ASTM D5185m >15	0	0	0
Nickel	ppm	ASTM D5185m >15	0	0	0
Titanium	ppm	ASTM D5185m	0	<1	0
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >25	<1	<1	<1
Lead	ppm	ASTM D5185m >100	<1	1	<1
Copper	ppm	ASTM D5185m >200	63	62	43
Tin	ppm	ASTM D5185m >25	<1	<1	<1
Antimony	ppm	ASTM D5185m >5	---	---	0
Vanadium	ppm	ASTM D5185m	<1	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 55	<1	3	12
Barium	ppm	ASTM D5185m 0	0	0	0
Molybdenum	ppm	ASTM D5185m 0	0	0	0
Manganese	ppm	ASTM D5185m 0	<1	1	<1
Magnesium	ppm	ASTM D5185m 2	0	<1	<1
Calcium	ppm	ASTM D5185m 6	25	2	21
Phosphorus	ppm	ASTM D5185m 250	252	227	248
Zinc	ppm	ASTM D5185m 3	66	61	47
Sulfur	ppm	ASTM D5185m 7500	9476	7628	7838

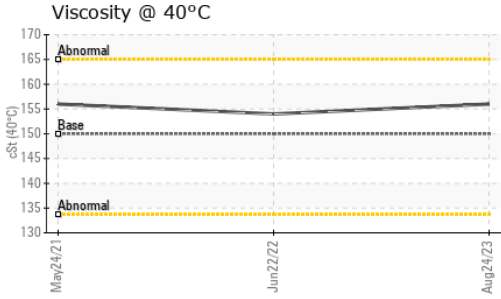
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	6	10	8
Sodium	ppm	ASTM D5185m	4	<1	4
Potassium	ppm	ASTM D5185m >20	0	1	0

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	MODER	MODER	▲ HEAVY
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

OIL ANALYSIS REPORT

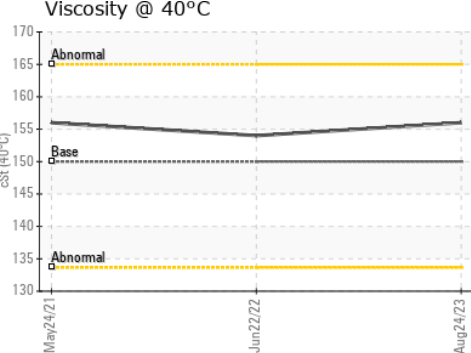
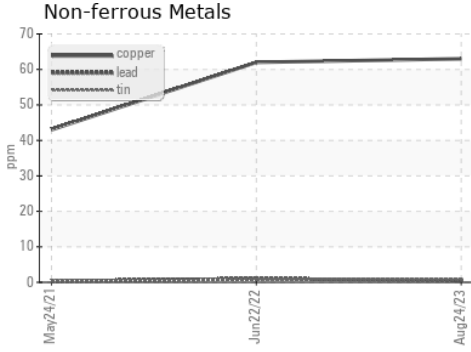
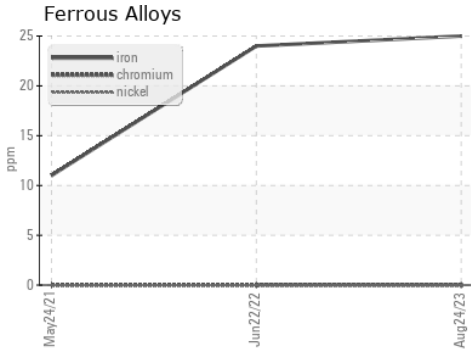


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	150.0	156	154	156

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0104041 **Received** : 25 Aug 2023
Lab Number : **05935092** **Diagnosed** : 28 Aug 2023
Unique Number : 10620363 **Diagnostician** : Don Baldrige
Test Package : IND 1

TREND TECHNOLOGIES
 737 FARGO AVE
 ELK GROVE VILLAGE, IL
 US 60007
 Contact: ROB GABL
 rgabl@trendtechnologies.com

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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