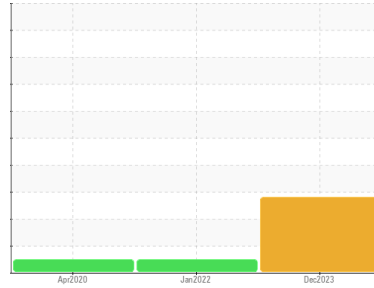


Machine Id
NORD SK72VL-N250TC-10,84:1 SP-01-0342-CP CHAINE A PIC (S/N 201584724-500)

Component
Reduction Gear

Fluid
PETRO CANADA ENDURATEX EP 220 (--- GAL)



DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

PQ levels are abnormal. Iron ppm levels are abnormal. Gear wear is indicated. The high ferrous density (PQ) index indicates that abnormal wear is occurring.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		PC0078625	PC0051594	PC0010193
Sample Date	Client Info		20 Dec 2023	12 Jan 2022	06 Apr 2020
Machine Age	yrs	Client Info	9	0	0
Oil Age	yrs	Client Info	1	0	2000
Oil Changed	Client Info		Changed	N/A	Not Changd
Sample Status			ABNORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		▲ 259	---	63
Iron	ppm	ASTM D5185(m) >150	▲ 476	65	68
Chromium	ppm	ASTM D5185(m) >10	4	<1	<1
Nickel	ppm	ASTM D5185(m) >10	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >25	1	<1	<1
Lead	ppm	ASTM D5185(m) >100	0	<1	0
Copper	ppm	ASTM D5185(m) >50	2	<1	<1
Tin	ppm	ASTM D5185(m) >10	0	0	0
Antimony	ppm	ASTM D5185(m) >5	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

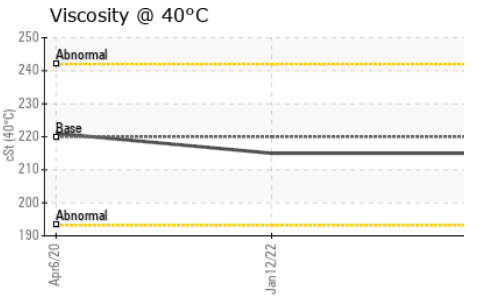
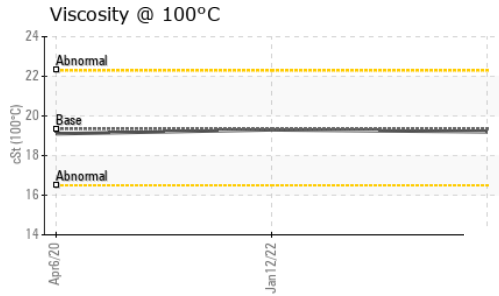
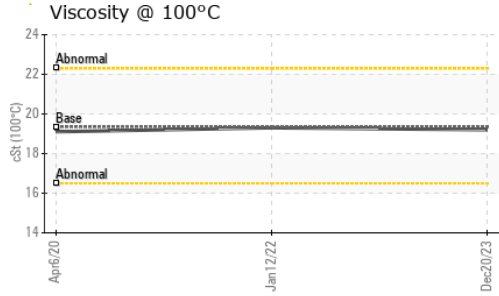
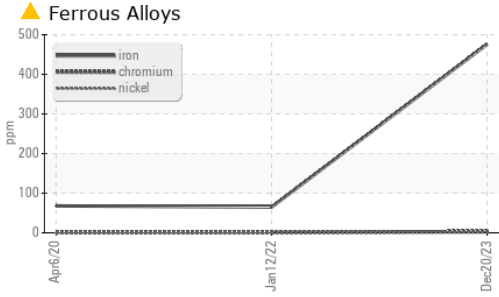
ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 60	19	15	70
Barium	ppm	ASTM D5185(m) 0	0	1	<1
Molybdenum	ppm	ASTM D5185(m) 0	0	<1	0
Manganese	ppm	ASTM D5185(m) 0	4	1	<1
Magnesium	ppm	ASTM D5185(m) 0	1	2	<1
Calcium	ppm	ASTM D5185(m) 0	8	6	7
Phosphorus	ppm	ASTM D5185(m) 270	242	244	270
Zinc	ppm	ASTM D5185(m) 0	10	13	5
Sulfur	ppm	ASTM D5185(m) 11200	6277	12738	7143
Lithium	ppm	ASTM D5185(m)	<1	1	2

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	11	8	12
Sodium	ppm	ASTM D5185(m)	<1	<1	0
Potassium	ppm	ASTM D5185(m) >20	1	1	<1

OIL ANALYSIS REPORT

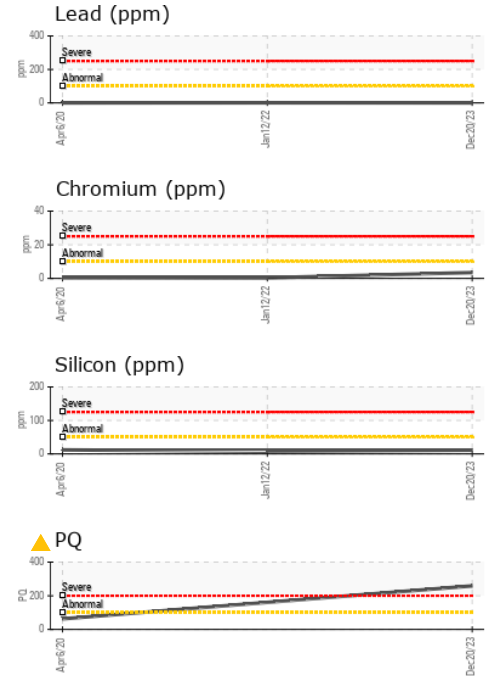
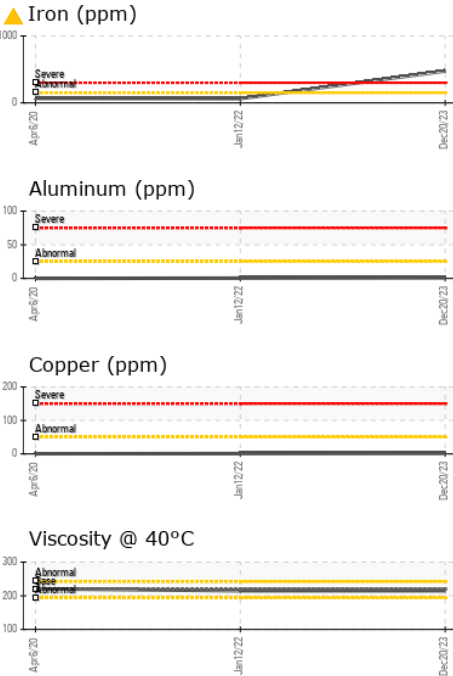


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	220	215	221
Visc @ 100°C	cSt	ASTM D7279(m)	19.35	19.2	19.1
Viscosity Index (VI)	Scale	ASTM D2270*	99	100	97

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078625 **Recieved** : 27 Dec 2023
Lab Number : 02605450 **Diagnosed** : 28 Dec 2023
Unique Number : 5698535 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, PQ, VI)

DAAQUAM
 43 RANG 6
 ST-PAMPHILE, QC
 CA 60R 3X0
 Contact: Pierre-Olivier Leblanc
 pierre-olivier.leblanc@daaquam.com
 T: (418)356-7693
 F: x:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.