

K602 - Natural Gas Compression Engine

Sample No: PC0085494

Oil Type: PETRO CANADA SENTRON LD 3000

SAMPLE INFORMATION

Sample Number	PC0085494	PC90000647	PC90000644	PC90000657
Sample Date	17 Jan 2024	25 Oct 2023	29 Sep 2023	11 Sep 2023
Machine Hours	31640	29657	29109	28744
Oil Hours	0	548	5477	5112
Oil Changed	Not Changd	Not Changd	Changed	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

NuVista Energy
 10508 67 Ave, #201
 Grande Prairie, AB
 CA T8W 0K8
 Contact: Eldon Weaver
 eweaver@nvaenergy.com
 T:
 F:

OIL CONDITION

Visc @ 40°C	cSt	125	120	130	128
Visc @ 100°C	cSt	13.6	13.13	13.77	13.78
Viscosity Index (VI)	Scale	104	103	102	104
Oxidation (PA)	%	49	---	---	---

CONTAMINATION

Water	%	0.007	NEG	NEG	NEG
Soot %	%	0	---	---	---
Nitration (PA)	%	41	---	---	---
Sulfation (PA)	%	52	---	---	---
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	1	2	2	2
Sodium	ppm	<1	0	0	1
Potassium	ppm	<1	0	0	0

WEAR METALS

Iron	ppm	2	2	6	6
Copper	ppm	<1	0	1	0
Lead	ppm	<1	0	1	2
Tin	ppm	0	0	2	0
Aluminum	ppm	2	1	1	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	<1	1	2	2
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1499	1581	1970	2055
Magnesium	ppm	9	8	9	12
Zinc	ppm	372	413	509	535
Phosphorus	ppm	308	355	401	408
Barium	ppm	0	6:46(7) Rev. 1	0	0
Boron	ppm	<1	1	2	2

Diagnosis

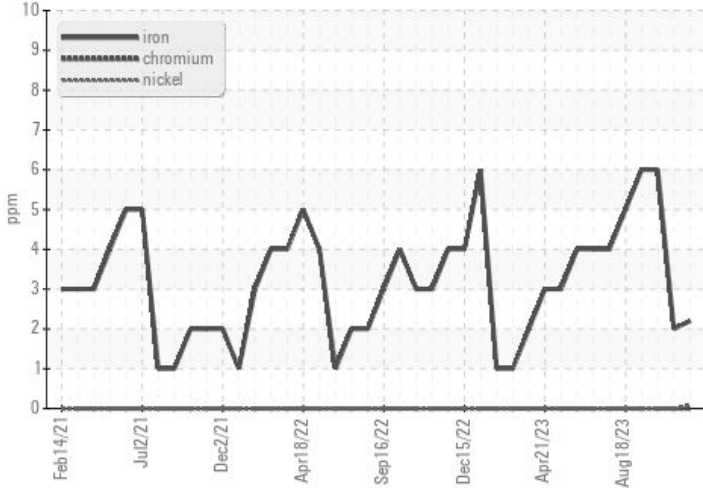
The oil is near the end of it's useful service life, recommend schedule an oil change. Resample at the next service interval to monitor.All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. Calcium ppm levels are abnormally high. The AN level is acceptable for this fluid.

Depot: NUVGRA
Unique No: 5722231
Signed: Bill Quesnel
Report Date: 05 Feb 2024

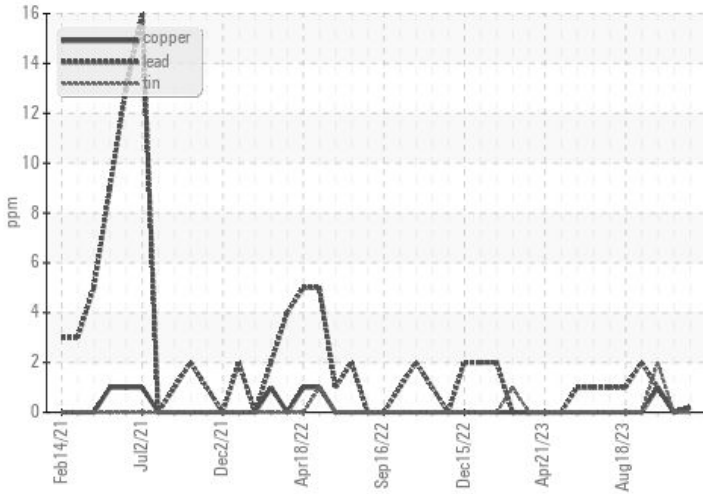
Submitted By: Kris Dickmann

GRAPHS

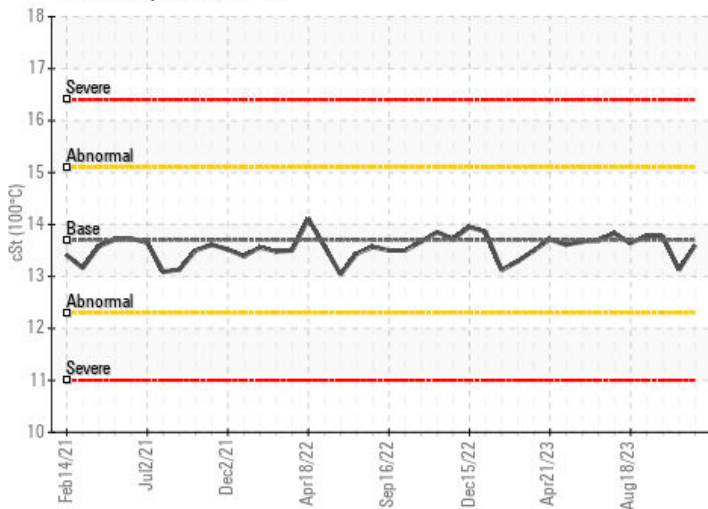
Ferrous Alloys



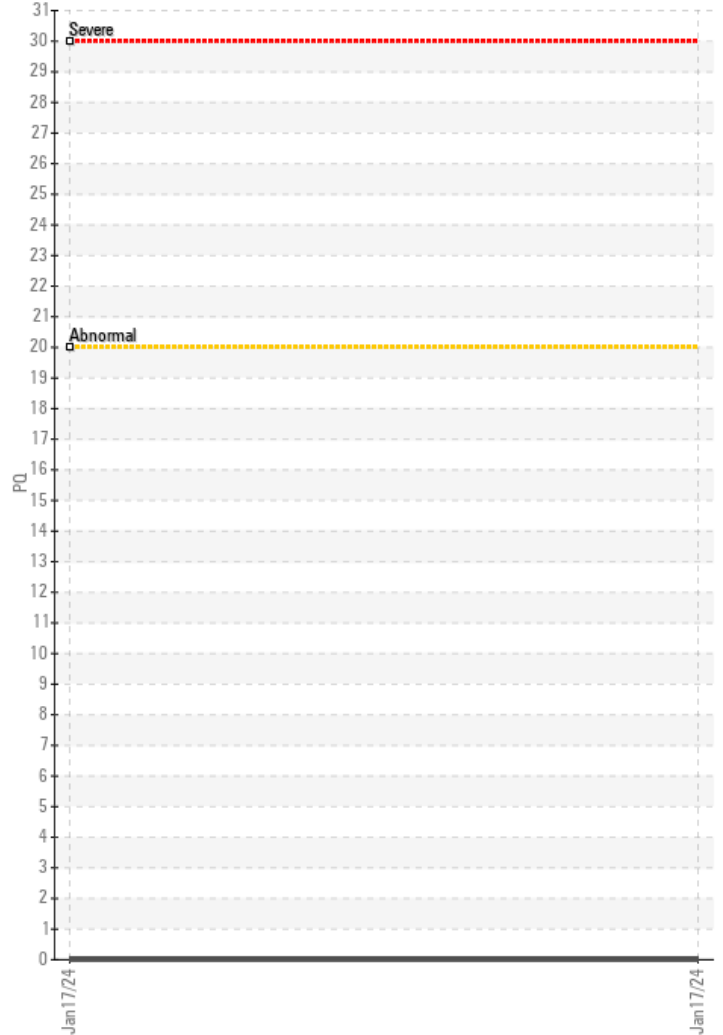
Non-ferrous Metals



Viscosity @ 100°C



PQ



Acid Number

