

[[BEFORE PUMP]] GENCOR HEATTRANSFER - Heat Transfer Fluid

Sample No: PC

Oil Type: PETRO CANADA PETRO-THERM

SAMPLE INFORMATION

Sample Number	PC	---	---	---
Sample Date	06 Nov 2019	---	---	---
Machine Hours	0	---	---	---
Oil Hours	5	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

CONSTRUCTION DJL INC

1 CHEMIN DE LA PAX
ST-HILARION, QC
Canada G5A 3V0
Contact: Jonathan Boily
jonathan.boily@djl.ca
T: (418)324-9352
F:

OIL CONDITION

Visc @ 40°C	cSt	■ 34.5	---	---	---
Acid Number (AN)	mg KOH/g	◆ 1.23	---	---	---

CONTAMINATION

Water	%	■ 0.009	---	---	---
Silicon	ppm	■ <1	---	---	---
Sodium	ppm	■ 0	---	---	---
Potassium	ppm	■ <1	---	---	---

WEAR METALS

Iron	ppm	■ 58	---	---	---
Copper	ppm	■ <1	---	---	---
Lead	ppm	■ 6	---	---	---
Tin	ppm	■ <1	---	---	---
Aluminum	ppm	■ 0	---	---	---
Chromium	ppm	■ <1	---	---	---
Molybdenum	ppm	■ 0	---	---	---
Nickel	ppm	■ <1	---	---	---
Titanium	ppm	■ 0	---	---	---
Silver	ppm	■ 0	---	---	---
Manganese	ppm	■ <1	---	---	---
Vanadium	ppm	■ 0	---	---	---

ADDITIVES

Calcium	ppm	■ 1	---	---	---
Magnesium	ppm	■ <1	---	---	---
Zinc	ppm	■ 9	---	---	---
Phosphorus	ppm	■ 2	---	---	---
Barium	ppm	■ <1	---	---	---
Boron	ppm	■ <1	---	---	---

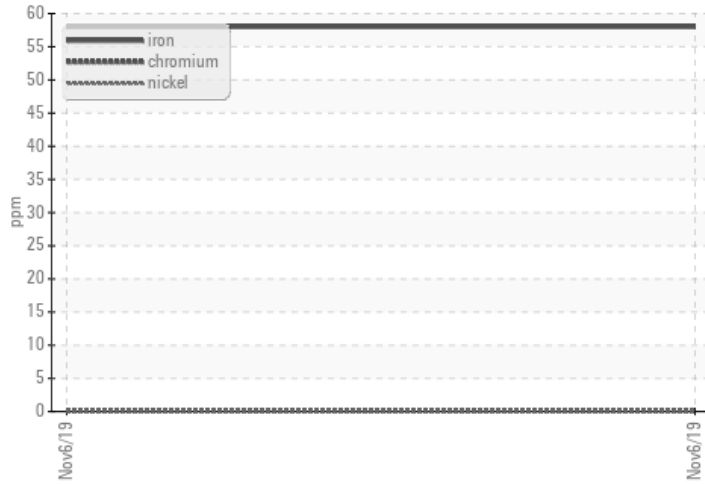
Diagnosis

Les résultats d'analyses semblent nous indiquer que l'huile est au stage initiale de dégradation. Les fractions légères (GCD @10%) plus base nous indique le craquage des longues chaînes en courtes chaînes `d'hydrocarbone`.La dégradation de l'huile ainsi que l'oxydation cré des boues et acides tel qu'indentifié par les test de (AN) 1.23, ainsi que les insolubles (Pentane Insolubles) 5.03.Je vous suggère de reprendre un échantillon dans 3 mois ou lors du démarrage.

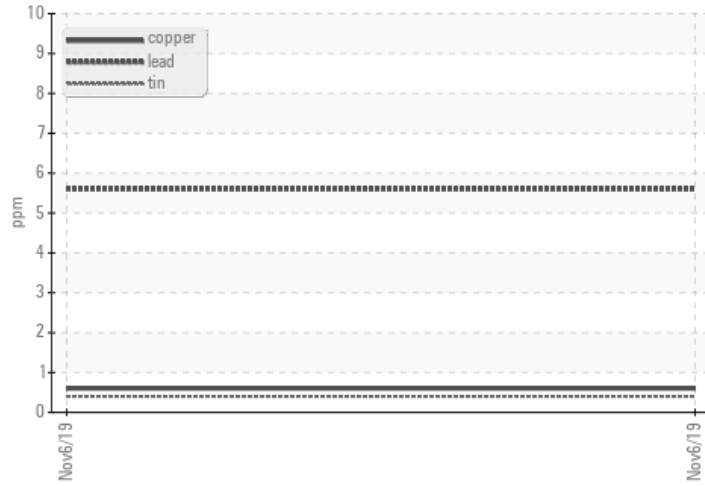
Depot: CON1STH
Unique No: 4967920
Signed: Peter Castagne
Report Date: 11 Mar 2020

GRAPHS

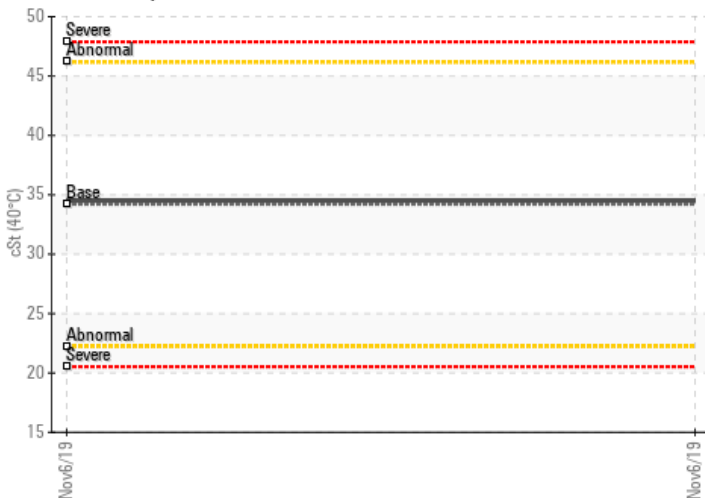
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Acid Number

