

[1460] SUPAFLO 9M THICKENER 1460-5666-4002 - MIDLINGS THICKENER MECH HPU - Hydraulic System

Sample No: PC0010191

Oil Type: PETRO CANADA HYDREX MV 36

SAMPLE INFORMATION

Sample Number	PC0010191	PC412611	PC384715	PC366754
Sample Date	24 Jan 2020	01 Apr 2019	24 Jan 2018	10 Jan 2017
Machine Hours	0	0	0	0
Oil Hours	0	0	0	6
Oil Changed	N/A	N/A	N/A	Not Changd
Sample Status	ATTENTION	ATTENTION	NORMAL	ABNORMAL

Vale

Voisey's Bay Mine Site, P.O. Box 7001, Stn. C Happy Valley
 Goose Bay, NL
 Canada A0P 1C0
 Contact: Robert Feltham
 robert.feltham@vale.com
 T: (709)922-4236
 F:

OIL CONDITION

Visc @ 40°C	cSt	32.9	31.6	32.9	28.7
Visc @ 100°C	cSt	6.2	6.3	6.3	6.3
Viscosity Index (VI)	Scale	140	154	145	179
Acid Number (AN)	mg KOH/g	0.364	0.312	0.34	0.40

CONTAMINATION

Particles >4µm		9826	6865	4093	30679
Particles >6µm		2262	972	402	5089
Particles >14µm		175	28	11	99
ISO 4406:1999 (c)		20/18/15	20/17/12	19/16/11	22/20/14
Silicon	ppm	0	0	<1	0
Sodium	ppm	0	0	0	<1
Potassium	ppm	<1	0	<1	0

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

WEAR METALS

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

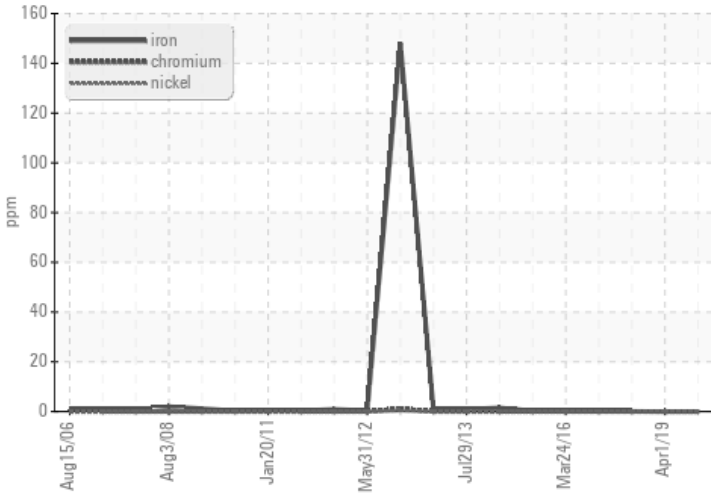
ADDITIVES

Calcium	ppm	132	130	141	143
Magnesium	ppm	<1	<1	<1	0
Zinc	ppm	309	298	318	318
Phosphorus	ppm	224	220	228	232
Barium	ppm	0	0	0	0
Boron	ppm	<1	<1	<1	<1

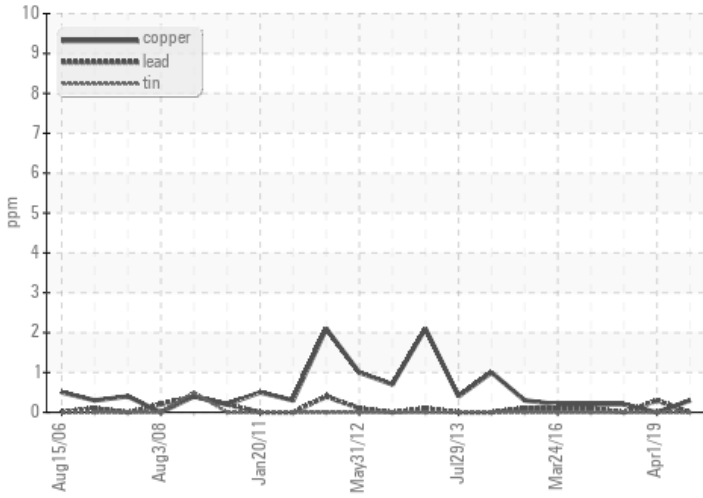
Depot: INCVOS
Unique No: 5004163
Signed: Wes Davis
Report Date: 10 Feb 2020

GRAPHS

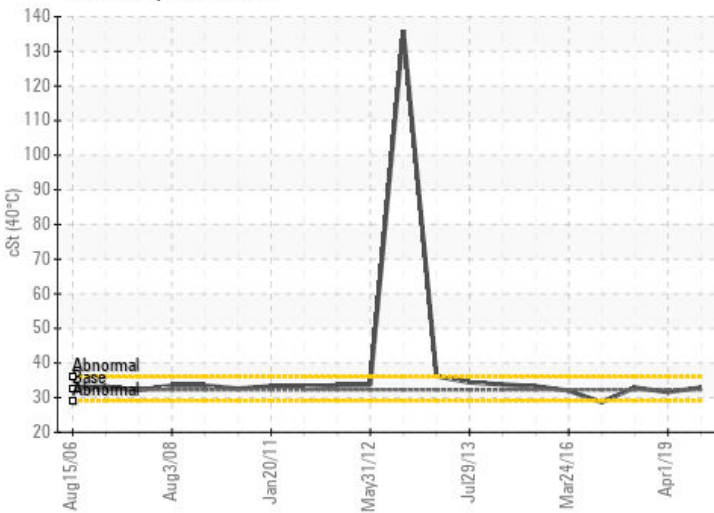
Ferrous Alloys



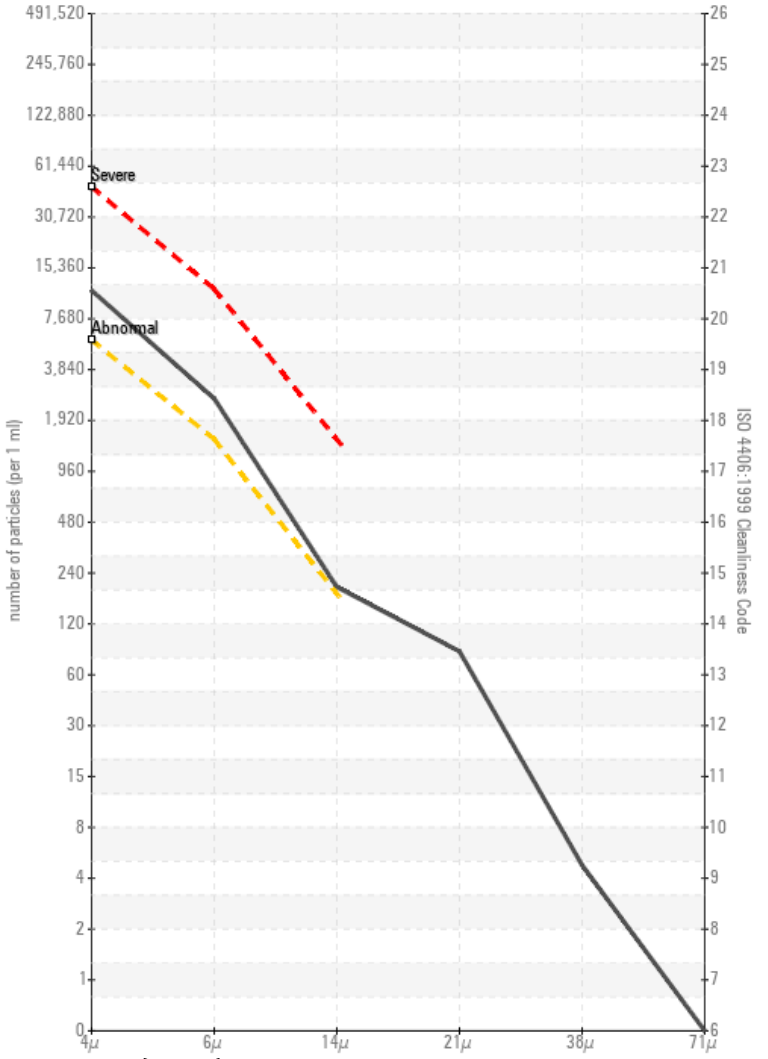
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

