

Sample No:

Oil Type:

SAMPLE INFORMATION

Sample Number	MHII2262637	MHII2262721	MHI153228	RP122670
Sample Date	22 Mar 2017	29 Mar 2016	07 May 2015	26 Mar 2013
Machine Hours	187616	30908	26433	16371
Oil Hours	35966	0	0	16371
Oil Changed	N/A	N/A	Changed	N/A
Sample Status	ABNORMAL	NORMAL	NORMAL	NORMAL

Contact:

T:

F:

OIL CONDITION

Visc @ 40°C	cSt	30.71	30.61	27.74	27.95
Acid Number (AN)	mg KOH/g	0.152	0.201	0.320	0.370

Diagnosis

CONTAMINATION

Water	%	0.006	0.001	0.020	0.006
Particles 5-15µm	count	261403	---	---	---
Particles 15-25µm	count	27211	---	---	---
Particles 25-50µm	count	6292	---	---	---
Particles 50-100µm	count	207	---	---	---
Particles >100µm	count	1327	---	---	---
NAS 1638		---	8	8	6
Particles >4µm		▲ 6834	477	354	157
Particles >6µm		▲ 3126	259	192	85
Particles >14µm		▲ 392	44	32	14
ISO 4406:1999 (c)		20/19/16	16/15/13	16/15/12	14/14/11
Silicon	ppm	<1	<1	1	1
Sodium	ppm	2	2	1	1
Potassium	ppm	<1	3	0	0

WEAR METALS

Iron	ppm	1	1	3	2
Copper	ppm	<1	<1	2	2
Lead	ppm	<1	0	0	3
Tin	ppm	0	0	0	0
Aluminum	ppm	0	<1	0	0
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	<1	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	0	0
Vanadium	ppm	0	0	0	0

Depot:

Unique No:

Signed:

Report Date:

ADDITIVES

Calcium	ppm	94	78	56	62
Magnesium	ppm	<1	<1	3	4
Zinc	ppm	100	127	358	403







Barium

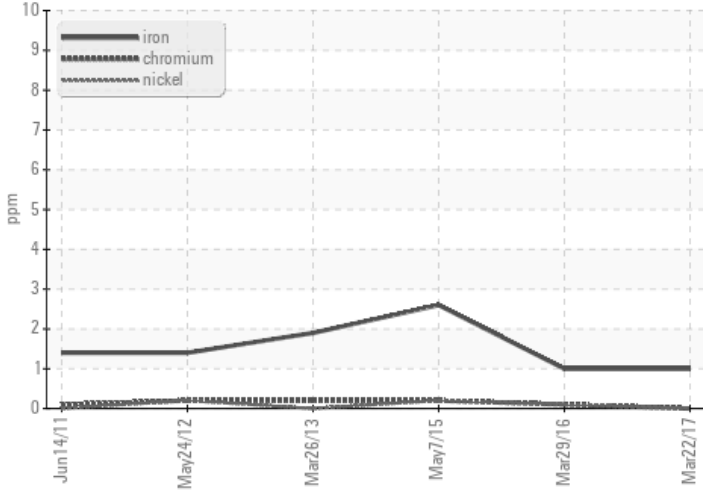
ppm



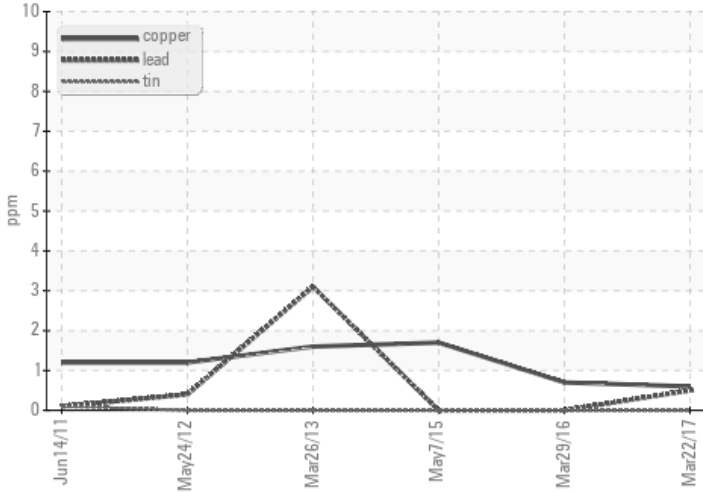


GRAPHS

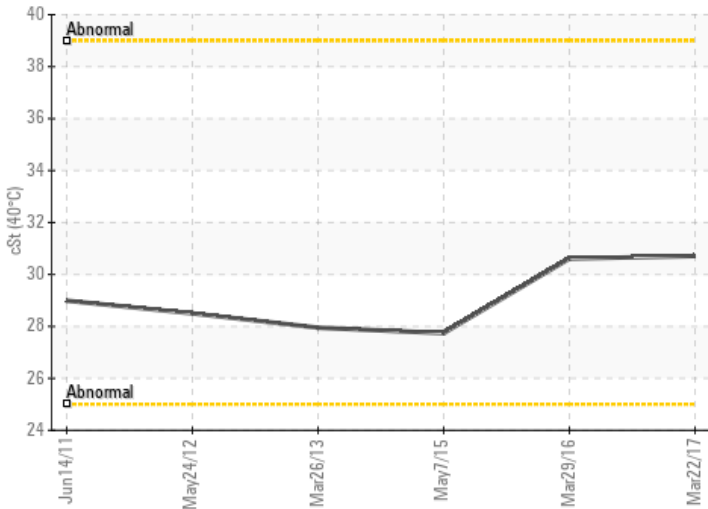
Ferrous Alloys



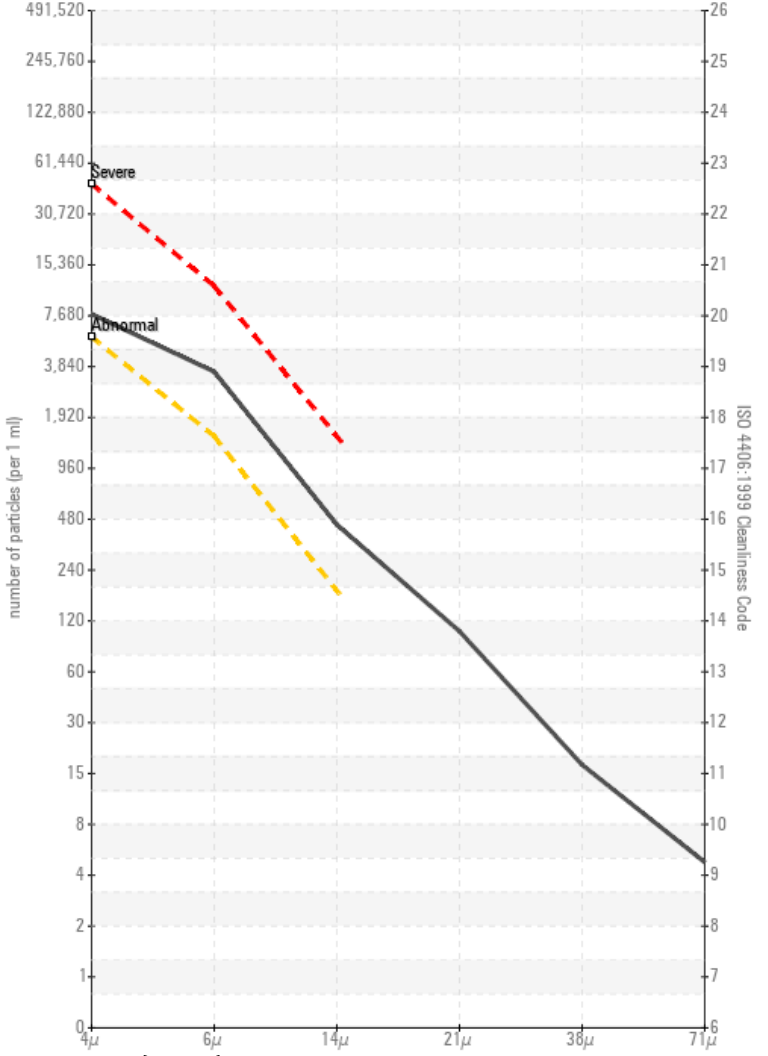
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

