

2003 (S/N 64320700) - HYDRAULIC SYSTEM

Sample No: RP195165
Oil Type: MOBIL DTE 25

SAMPLE INFORMATION

Sample Number	RP195165	RP181107	RP177901	RP176354
Sample Date	05 Jun 2019	27 Jun 2018	07 Nov 2017	06 Nov 2017
Machine Hours	0	0	0	0
Oil Hours	0	0	0	0
Oil Changed	N/A	N/A	N/A	N/A
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

ADIENT
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 ELDON, MO
 US 65026
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OIL CONDITION

Visc @ 40°C	cSt	43.5	43.64	37.6	43.97
Acid Number (AN)	mg KOH/g	0.520	0.451	0.623	0.358

CONTAMINATION

Water	%	0.008	0.008	0.005	0.004
Particles >4µm		83921	11221	16775	14521
Particles >6µm		33574	3277	5816	2894
Particles >14µm		4785	281	787	215
ISO 4406:1999 (c)		24/22/19	21/19/15	21/20/17	21/19/15
Silicon	ppm	<1	0	<1	<1
Sodium	ppm	2	1	<1	1
Potassium	ppm	<1	<1	<1	<1

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 high amount of particulates 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	2	<1	<1	<1
Copper	ppm	3	3	<1	4
Lead	ppm	<1	0	0	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	0	0
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	<1	0	0
Nickel	ppm	0	0	0	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

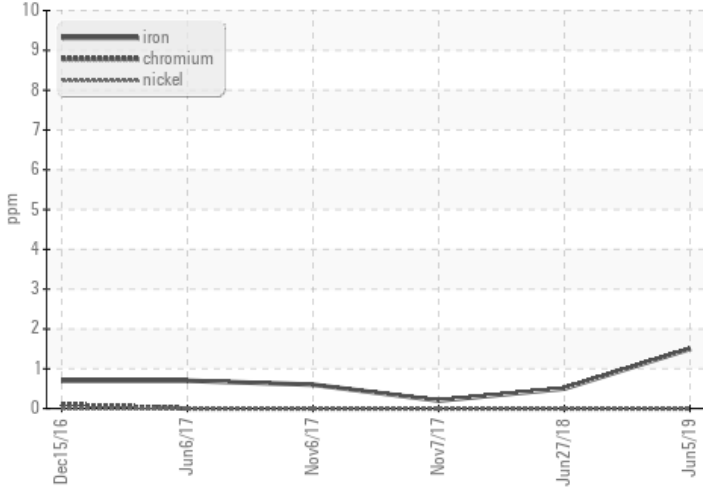
ADDITIVES

Calcium	ppm	108	95	83	88
Magnesium	ppm	2	<1	0	0
Zinc	ppm	450	431	598	449
Phosphorus	ppm	340	325	408	351
Barium	ppm	0	<1	0	0
Boron	ppm	<1	<1	<1	<1

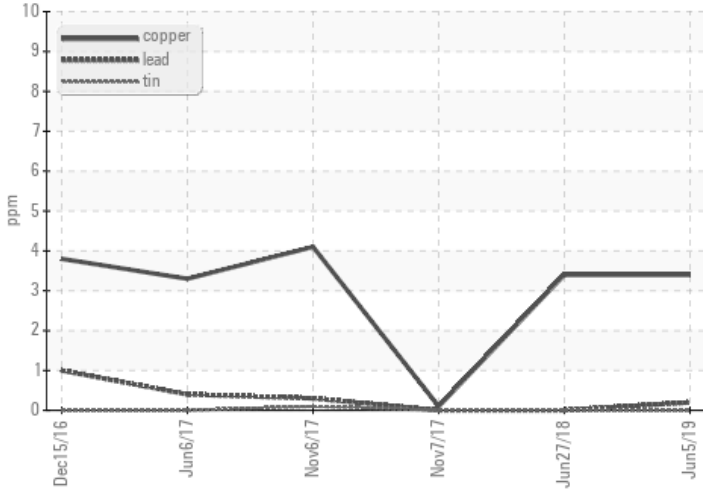
Depot: ADIELD
Unique No: 8630864
Signed: Don Baldrige
Report Date: 17 Jun 2019

GRAPHS

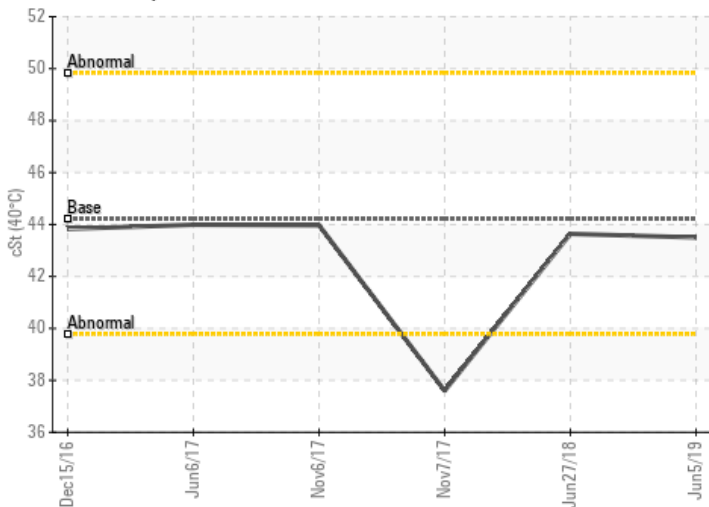
Ferrous Alloys



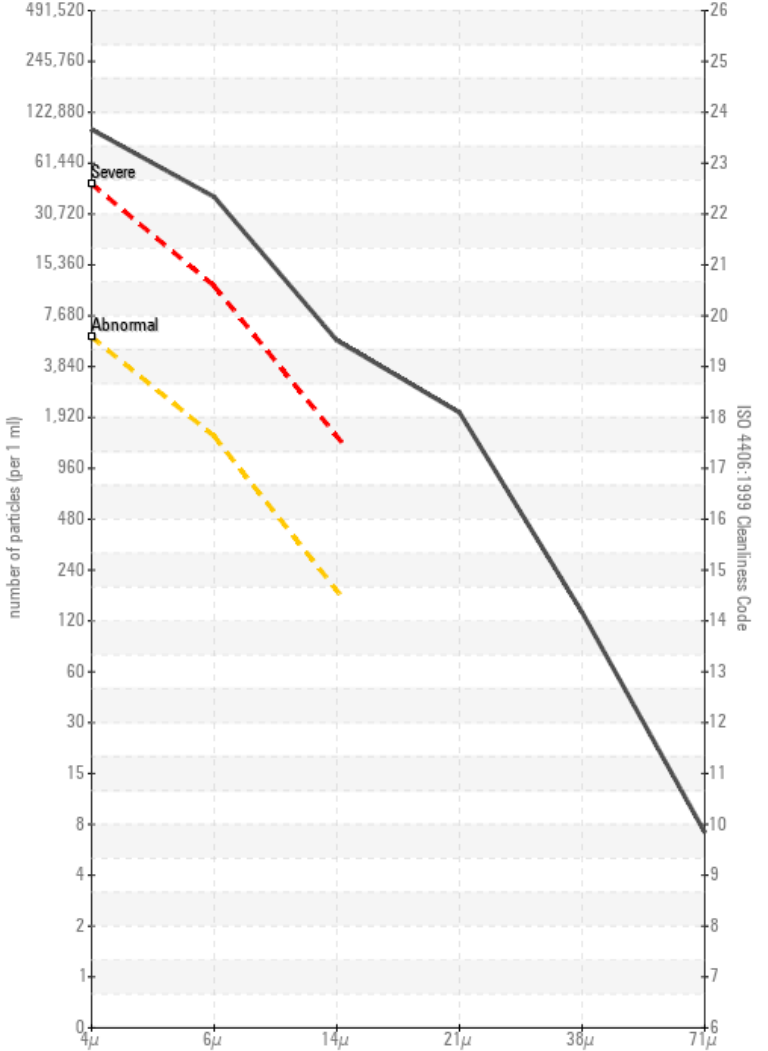
Non-ferrous Metals



Viscosity @ 40°C



Particle Count



Acid Number

