



CONSTRUCTION EQUIPMENT

YALE FORKLIFT 4 - TRANSMISSION (MANUAL)



Sample No: VCP408915
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP408915	VCP399946	VCP383672	VCP364914
Sample Date	26 Oct 2023	13 Apr 2023	02 Jan 2023	19 Oct 2022
Machine Hours	3009	2504	2231	2002
Oil Hours	1007	502	229	2002
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

MARYLAND ENVIRONMENTAL SERVICES
 21210 MARTINSBURG RD
 DICKERSON, MD
 US 20842
 Contact: ALAN PARRISH
 aparr@menv.com
 T: (301)428-8185
 F: (301)428-8311



OIL CONDITION

Visc @ 40°C	cSt	49.1	49.8	51.2	50.6
-------------	-----	-------------	------	------	------



CONTAMINATION

Silicon	ppm	9	7	8	6
Sodium	ppm	2	2	2	0
Potassium	ppm	0	0	1	3

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	10	7	7	16
Copper	ppm	9	6	6	19
Lead	ppm	1	0	2	0
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	1	1	2	2
Chromium	ppm	0	0	<1	0
Molybdenum	ppm	4	4	5	7
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3455	3216	3528	3380
Magnesium	ppm	38	43	48	29
Zinc	ppm	1492	1284	1484	1367
Phosphorus	ppm	1091	1067	1150	1126
Barium	ppm	0	<1	0	0
Boron	ppm	99	97	107	112

Depot: MARDIC
Unique No: 10723505
Signed: Don Baldrige
Report Date: 02 Nov 2023

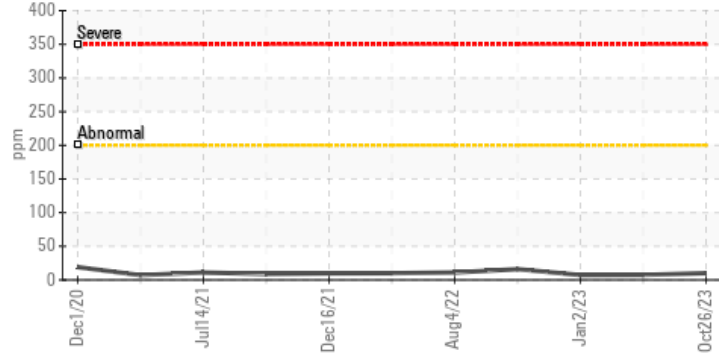


CONSTRUCTION EQUIPMENT

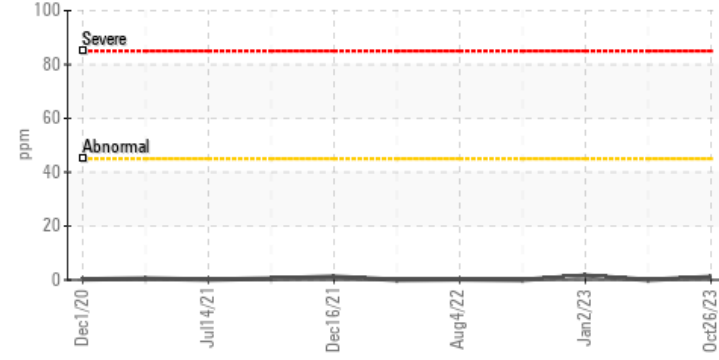


GRAPHS

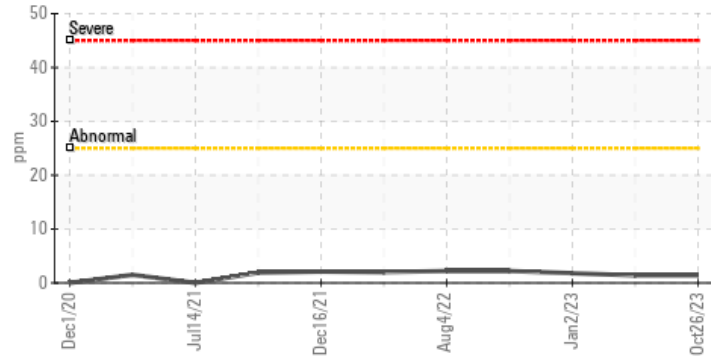
Iron (ppm)



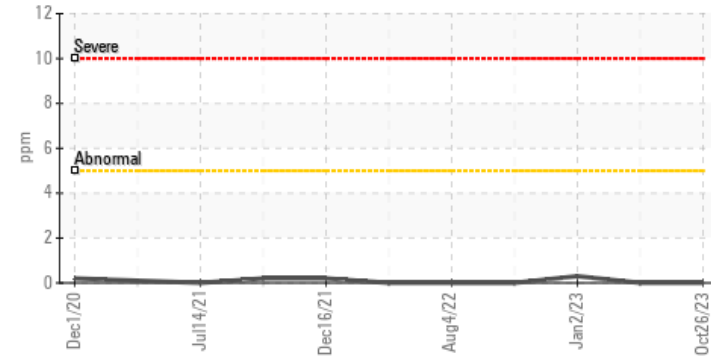
Lead (ppm)



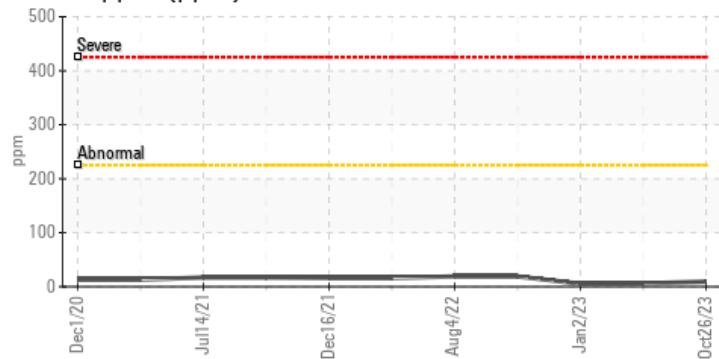
Aluminum (ppm)



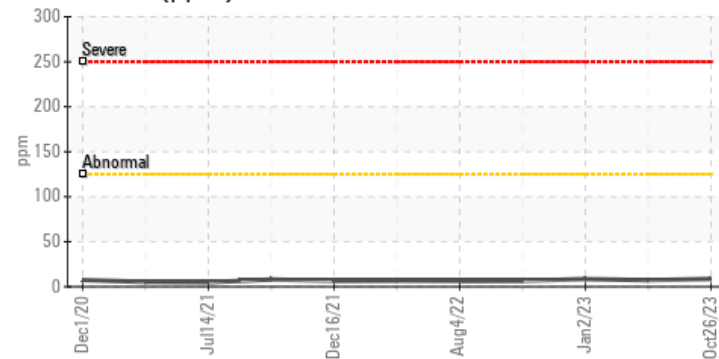
Chromium (ppm)



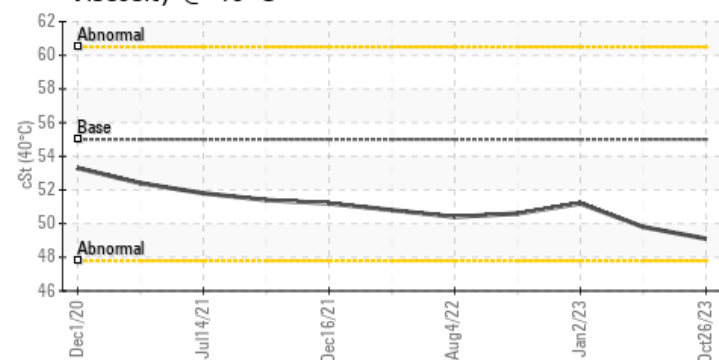
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

