



CONSTRUCTION EQUIPMENT

A13026 - FRONT AXLE



Sample No: VCP434208
Oil Type: MOBIL MOBILUBE HD 80W90
Job No: A13026



SAMPLE INFORMATION

Sample Number	VCP434208	VCP404460	VCP334679	VCP282352
Sample Date	11 Jul 2024	16 Jun 2023	18 Oct 2021	29 May 2020
Machine Hours	11045	10365	9890	9509
Oil Hours	500	500	2000	0
Oil Changed	Not Chngd	Not Chngd	Changed	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

DYER QUARRY
P.O. BOX 188, 1275 ROCK HOLLOW ROAD
BIRDSBORO, PA
US 19508
Contact: MATT MCCLELLAND
matt.mcclelland@dyerquarry.com
T:
F: (610)582-2304



OIL CONDITION

Visc @ 40°C	cSt	299	302	240	341
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	20	13	28	25
Sodium	ppm	1	0	<1	4
Potassium	ppm	2	1	1	2

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



WEAR METALS

Iron	ppm	127	94	173	118
Copper	ppm	16	12	29	15
Lead	ppm	<1	0	<1	<1
Tin	ppm	<1	<1	1	<1
Aluminum	ppm	2	0	4	3
Chromium	ppm	1	1	2	2
Molybdenum	ppm	<1	0	<1	0
Nickel	ppm	1	1	1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	1	1	2	1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	25	39	26	24
Magnesium	ppm	4	4	6	5
Zinc	ppm	23	24	17	22
Phosphorus	ppm	1139	1076	886	777
Barium	ppm	0	0	0	0
Boron	ppm	189	192	137	114

Depot: DYEBIR
Unique No: 11125317
Signed: Sean Felton
Report Date: 17 Jul 2024



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GRAPHS

