



CONSTRUCTION EQUIPMENT

SPM646532 VOLVO A45G 352579 - DROP BOX



Sample No: VCP401399
Oil Type: GEAR OIL SAE 80W90
Job No: SPM646532



SAMPLE INFORMATION

Sample Number	VCP401399	VCP393391	VCP371624	VCP347765
Sample Date	26 Dec 2023	10 Apr 2023	30 Jun 2022	15 Dec 2021
Machine Hours	3034	1967	1071	558
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

A J MCDIRT
P.O. BOX 781
STERLING, IL
US 61081
Contact: SERVICE MANAGER



OIL CONDITION

Visc @ 40°C	cSt	115	47.8	46.9	49.4
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T: (815)631-1606
F:



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	11	54	46	43
Sodium	ppm	5	11	11	10
Potassium	ppm	2	2	0	<1

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	262	889	102	91
Copper	ppm	6	22	8	6
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	<1	2	<1	<1
Chromium	ppm	4	11	1	1
Molybdenum	ppm	10	17	5	6
Nickel	ppm	2	3	0	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	5	14	3	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	53	64	74	69
Magnesium	ppm	5	8	6	8
Zinc	ppm	90	158	107	89
Phosphorus	ppm	1534	2377	2199	2294
Barium	ppm	1	2	5	0
Boron	ppm	147	118	130	189

Depot: AJMSTE
Unique No: 10848667
Signed: Wes Davis
Report Date: 27 Jan 2024



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GRAPHS

