



CONSTRUCTION EQUIPMENT

VOLVO A45G 352799 - DROP BOX



Sample No: VCP447795
Oil Type: GEAR OIL SAE 80W90
Job No:



SAMPLE INFORMATION

Sample Number	VCP447795	VCP445316	VCP431955	VCP417785
Sample Date	04 Jun 2024	27 Feb 2024	25 Oct 2023	12 Jul 2023
Machine Hours	5435	4930	4451	3946
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	MARGINAL

SAIIA CONSTRUCTION LLC

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 BIRMINGHAM, AL
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OIL CONDITION

Visc @ 40°C	cSt	287	283	285	231
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	9	10	19
Sodium	ppm	2	1	<1	2
Potassium	ppm	4	0	1	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	207	348	155	▲ 520
Copper	ppm	8	7	7	30
Lead	ppm	4	2	<1	0
Tin	ppm	1	0	0	0
Aluminum	ppm	1	<1	1	2
Chromium	ppm	3	5	2	6
Molybdenum	ppm	25	30	30	59
Nickel	ppm	1	3	1	2
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	3	11
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	87	116	111	102
Magnesium	ppm	26	30	33	29
Zinc	ppm	70	84	97	191
Phosphorus	ppm	802	1065	1104	1299
Barium	ppm	0	0	0	0
Boron	ppm	121	141	164	65

Depot: SAIBIR
Unique No: 11074383
Signed: Don Baldrige
Report Date: 13 Jun 2024



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VOLVO GRAPHS

