



CONSTRUCTION EQUIPMENT

SWO-064855 VOLVO A45G 352915 - FRONT AXLE



Sample No: VCP413520
Oil Type: GEAR OIL SAE 80W140
Job No: SWO-064855



SAMPLE INFORMATION

Sample Number	VCP413520	VCP414093	VCP397693	VCP388768
Sample Date	15 Aug 2023	26 May 2023	19 Jan 2023	28 Sep 2022
Machine Hours	2344	1912	1420	978
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Changed
Sample Status	NORMAL	NORMAL	ABNORMAL	NORMAL

SAIIA CONSTRUCTION LLC

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OIL CONDITION

Visc @ 40°C	cSt	289	288	287	49.4
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CONTAMINATION

Silicon	ppm	4	4	2	3
Sodium	ppm	0	<1	<1	2
Potassium	ppm	1	1	<1	<1



WEAR METALS

Iron	ppm	166	152	34	97
Copper	ppm	<1	1	<1	2
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	0	0
Aluminum	ppm	1	<1	<1	<1
Chromium	ppm	3	3	<1	1
Molybdenum	ppm	7	7	5	5
Nickel	ppm	<1	<1	0	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	8	8	4	7
Vanadium	ppm	0	0	0	2



ADDITIVES

Calcium	ppm	155	159	128	134
Magnesium	ppm	36	35	30	0
Zinc	ppm	97	100	84	40
Phosphorus	ppm	1160	1102	918	2556
Barium	ppm	0	0	<1	0
Boron	ppm	225	186	163	288

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.

Depot: SAIBIR
Unique No: 10617656
Signed: Jonathan Hester
Report Date: 25 Aug 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

