CONSTRUCTION EQUIPMENT
SWO-066738 VOLVO A45G 352799 - BRAKE

Sample No: VCP429354
Oil Type: NOT GIVEN
Job No: SWO-066738

SAIIA CONSTRUCTION LLC
4400 LEWISBURG RD
BIRMINGHAM, AL
US 35207
Contact: STEPHANI BRITTON
sbritton@saiia.com;doug.bogart@wearcheck.com
T: (205)943-2268
F: (205)943-2269

SAMPLE INFORMATION

Sample Number		**VCP429354**	VCP419131	VCP405253	VCP369030
Sample Date		**25 Oct 2023**	12 Jul 2023	29 Mar 2023	16 Nov 2022
Machine Hours		**4451**	3946	3445	2976
Oil Hours		**0**	0	0	0
Oil Changed		**Not Changd**	Changed	Not Changd	Not Changd
Sample Status		**NORMAL**	NORMAL	NORMAL	ABNORMAL

OIL CONDITION

Visc @ 40°C	cSt	**42.7**	41.0	40.0	40.1

CONTAMINATION

Silicon	ppm	**20**	19	22	19
Sodium	ppm	**4**	10	11	12
Potassium	ppm	**3**	0	1	0

WEAR METALS

Iron	ppm	**36**	43	44	38
Copper	ppm	**188**	219	215	198
Lead	ppm	**0**	0	3	2
Tin	ppm	**<1**	0	0	0
Aluminum	ppm	**1**	2	2	2
Chromium	ppm	**1**	2	1	1
Molybdenum	ppm	**2**	<1	<1	<1
Nickel	ppm	**6**	6	7	6
Titanium	ppm	**<1**	0	0	0
Silver	ppm	**0**	0	2	0
Manganese	ppm	**2**	2	2	2
Vanadium	ppm	**0**	0	0	0

ADDITIVES

Calcium	ppm	**3414**	3716	4042	3547
Magnesium	ppm	**22**	12	15	12
Zinc	ppm	**1482**	1660	1827	1504
Phosphorus	ppm	**1291**	1361	1407	1218
Barium	ppm	**0**	0	0	0
Boron	ppm	**116**	126	120	117

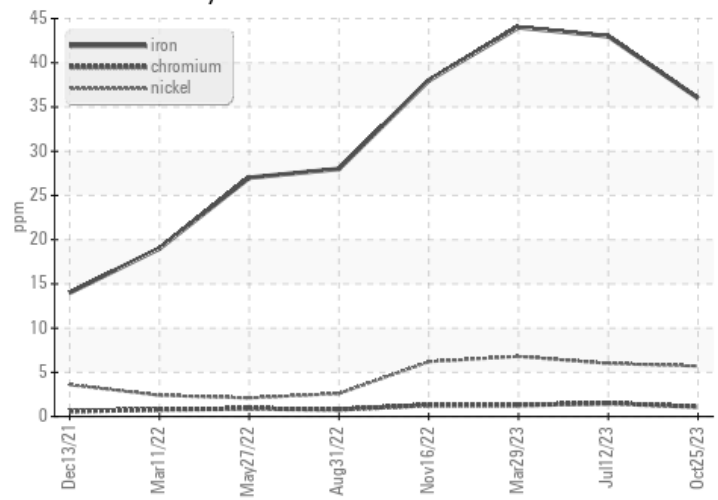
Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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.

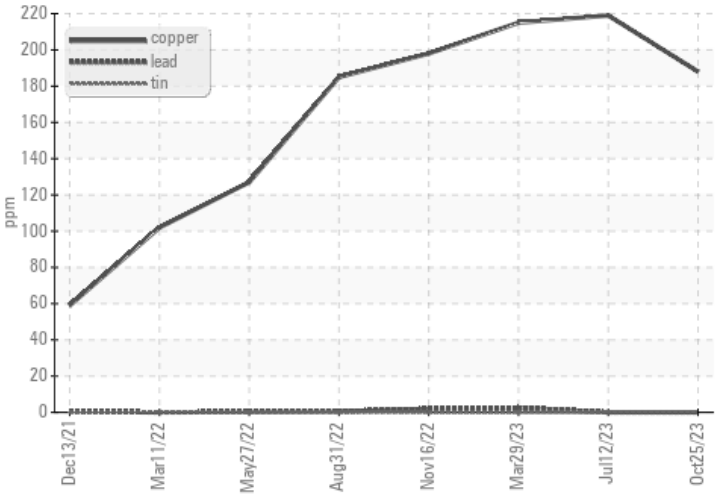
Depot: SAIBIR
Unique No: 10715024
Signed: Sean Felton
Report Date: 31 Oct 2023

GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C