CONSTRUCTION EQUIPMENT

SWO-066738 VOLVO A45G 352799 - TRANSMISSION (AUTO)

Sample No: VCP433495
Oil Type: {unknown}
Job No: SWO-066738

SAIIA CONSTRUCTION LLC
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SAMPLE INFORMATION

Sample Number		**VCP433495**	VCP419148	VCP405249	VCP369489
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	Changed
Sample Status		**ABNORMAL**	NORMAL	ABNORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	**28.3**	27.2	25.6	28.9

CONTAMINATION

Silicon	ppm	▲ **20**	4	5	5
Sodium	ppm	**2**	2	2	2
Potassium	ppm	**3**	0	0	0

WEAR METALS

Iron	ppm	**22**	18	11	25
Copper	ppm	**25**	15	7	14
Lead	ppm	**0**	0	0	0
Tin	ppm	**2**	1	<1	2
Aluminum	ppm	▲ **13**	8	4	8
Chromium	ppm	**<1**	0	0	0
Molybdenum	ppm	**<1**	0	0	0
Nickel	ppm	**4**	1	<1	2
Titanium	ppm	**<1**	0	0	0
Silver	ppm	**0**	0	0	0
Manganese	ppm	**2**	<1	<1	1
Vanadium	ppm	**0**	0	0	0

ADDITIVES

Calcium	ppm	**73**	93	67	66
Magnesium	ppm	**1**	3	4	1
Zinc	ppm	**3**	9	0	1
Phosphorus	ppm	**209**	216	200	214
Barium	ppm	**0**	0	0	0
Boron	ppm	**98**	102	96	90

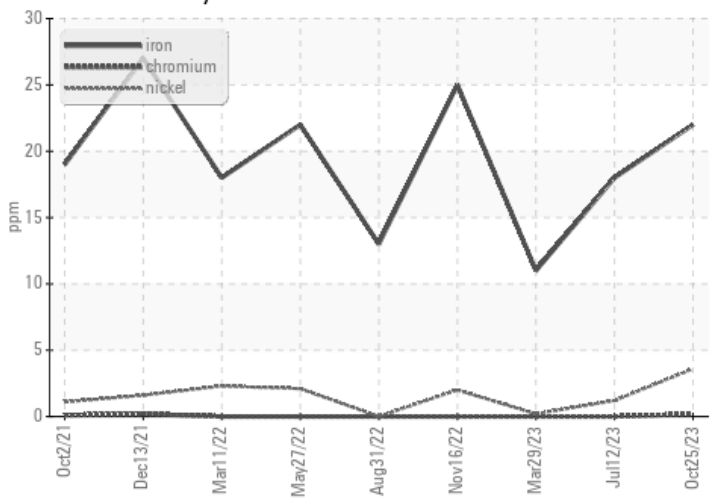
Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.All component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the fluid is acceptable for the time in service.

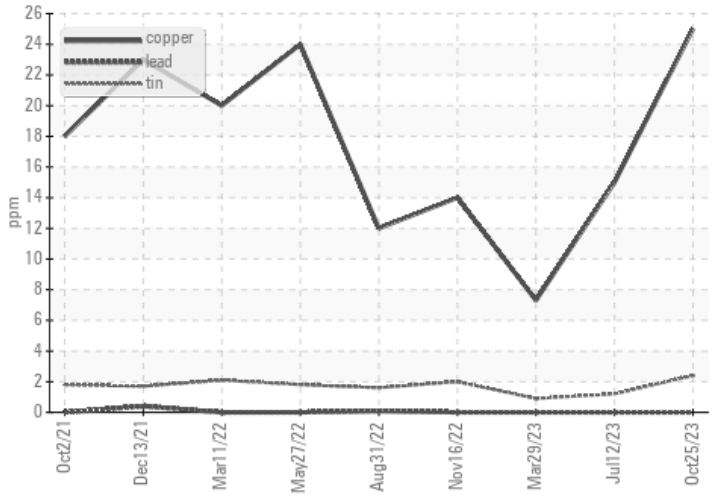
Depot: SAIBIR
Unique No: 10715076
Signed: Angela Borella
Report Date: 31 Oct 2023

GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C