



CONSTRUCTION EQUIPMENT

IMPACT AUTO 8-381488 VOLVO L-90-H 624436 - HYDRAULIC SYSTEM



Sample No: VCP353387
Oil Type: AW HYDRAULIC OIL ISO 32
Job No: 8-381488



SAMPLE INFORMATION

Sample Number	VCP353387	VCP352988	VCP274245	VCP191167
Sample Date	31 Oct 2023	09 Nov 2022	10 Mar 2021	17 Jul 2019
Machine Hours	8077	6030	3960	1973
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC.

1640 ENTERPRISE ROAD
 MISSISSAUGA, ON
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OIL CONDITION

Visc @ 40°C	cSt	37.0	39.5	35.4	29.9
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CONTAMINATION

Particles >4µm	3855	2559	8762	924	
Particles >6µm	915	673	944	104	
Particles >14µm	55	42	75	6	
ISO 4406:1999 (c)	19/17/13	19/17/13	20/17/13	17/14/10	
Silicon	ppm	3	3	4	3
Sodium	ppm	1	2	2	<1
Potassium	ppm	0	<1	9	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	3	3	4	3
Copper	ppm	2	3	4	4
Lead	ppm	<1	1	1	1
Tin	ppm	0	0	<1	0
Aluminum	ppm	<1	<1	<1	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<1	1	2	2
Titanium	ppm	0	0	0	0
Silver	ppm	<1	0	<1	0
Manganese	ppm	0	0	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	65	64	60	57
Magnesium	ppm	2	1	1	1
Zinc	ppm	419	422	448	432
Phosphorus	ppm	333	365	337	330
Barium	ppm	<1	0	0	0
Boron	ppm	<1	<1	<1	<1

Depot: SHEMIS
Unique No: 5672131
Signed: Bill Quesnel
Report Date: 10 Nov 2023

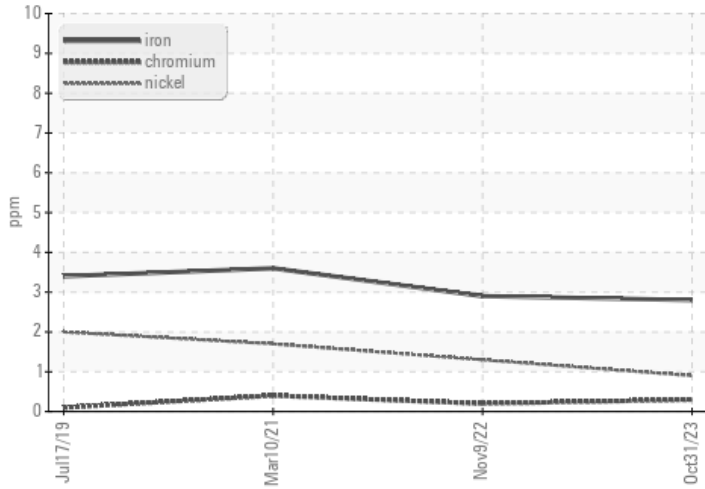


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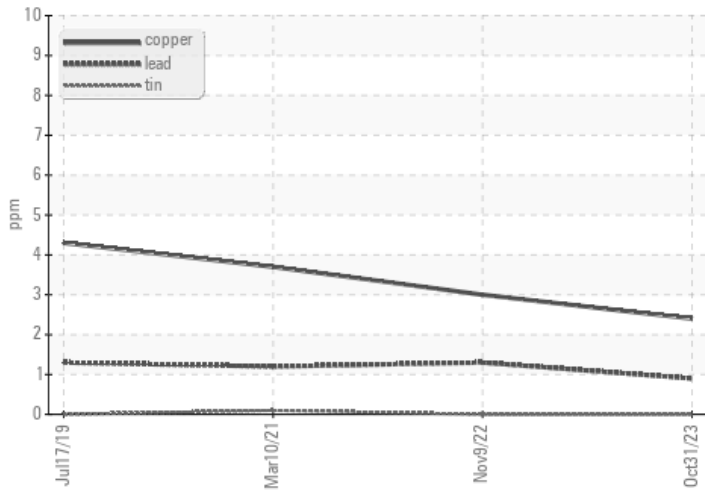


GRAPHS

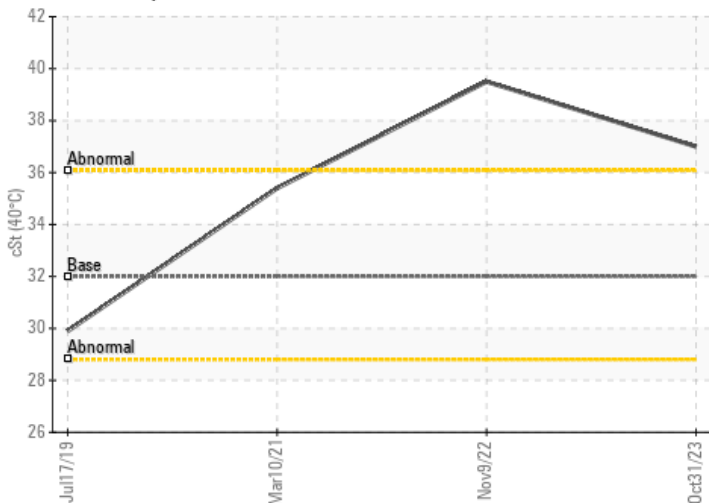
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

