



CONSTRUCTION EQUIPMENT

8000257555 CATERPILLAR 980H JJMS06490 - HYDRAULIC SYSTEM



Sample No: VCP272741
Oil Type: VOLVO SUPER TRANSMISSION OIL SAE 10W
Job No: 8000257555



SAMPLE INFORMATION

Sample Number	VCP272741	VCP251264	VCP251496	VCP240927
Sample Date	20 Sep 2020	05 Oct 2019	28 Aug 2019	18 Jul 2019
Machine Hours	15043	12935	12613	12266
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

STRONGCO EQUIPMENT INC.
 55 ISNOR DRIVE, BURNSIDE INDUSTRIALPARK
 DARTMOUTH, NS
 CA B3B 1N6
 Contact: Lindsay Downs
 ldowns@strongco.com
 T: (902)468-5010
 F: (902)468-2468



OIL CONDITION

Visc @ 40°C	cSt	39.6	44.0	39.4	87.9
Visc @ 100°C	cSt	---	---	---	10.3
Viscosity Index (VI)	Scale	---	---	---	97



CONTAMINATION

Particles >4µm		12689	11638	19511	13259
Particles >6µm		304	2154	1163	3651
Particles >14µm		19	48	37	55
ISO 4406:1999 (c)		21/15/11	21/18/13	21/17/12	21/19/13
Silicon	ppm	13	12	14	4
Sodium	ppm	2	2	4	2
Potassium	ppm	3	4	5	<1

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. 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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	18	15	17	5
Copper	ppm	8	8	9	5
Lead	ppm	<1	1	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	8	8	8	1
Chromium	ppm	1	1	2	0
Molybdenum	ppm	47	15	2	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1721	1437	1408	3080
Magnesium	ppm	22	28	31	9
Zinc	ppm	996	1051	1088	1280
Phosphorus	ppm	877	860	908	1073
Barium	ppm	<1	<1	<1	0
Boron	ppm	3	2	1	<1

Depot: SHEDAR
Unique No: 5109494
Signed: Kevin Marson
Report Date: 28 Sep 2020

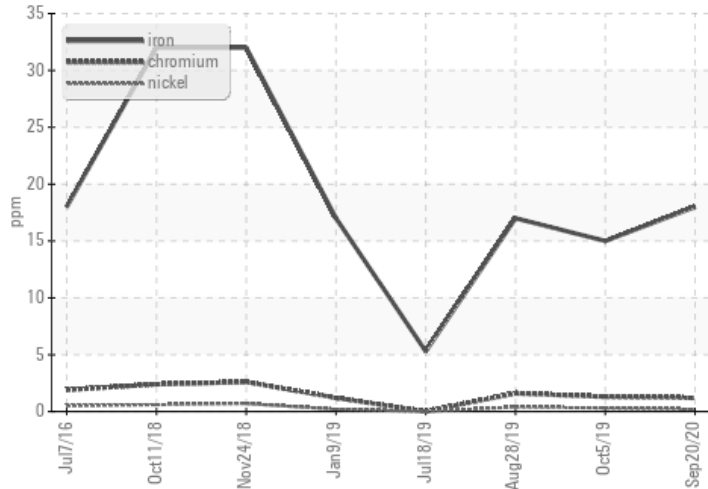


CONSTRUCTION EQUIPMENT

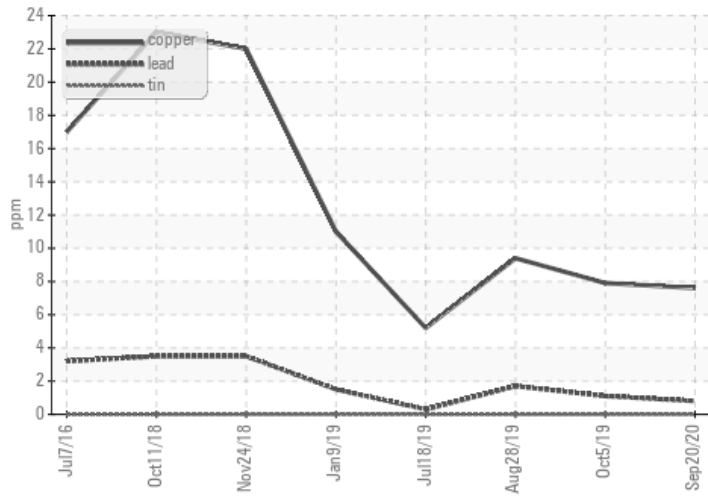


VOLVO GRAPHS

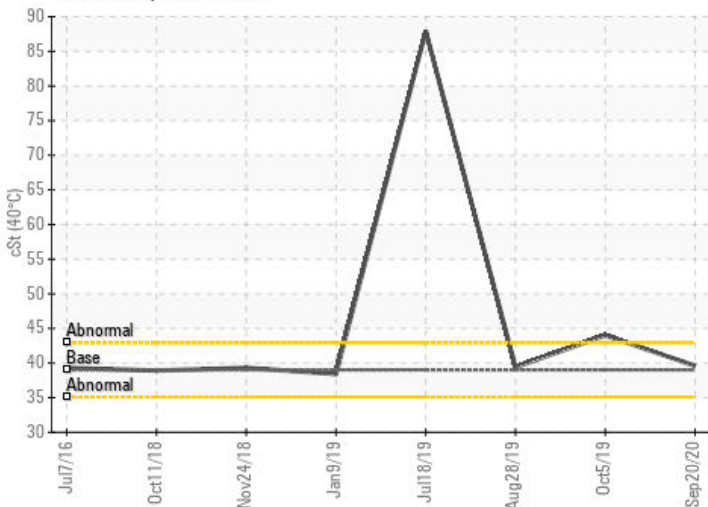
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Particle Count

