



CONSTRUCTION EQUIPMENT

PRINCE VOLVO L90H 626620 - TRANSMISSION (AUTO)



Sample No: VCP440242

Oil Type: DEXRON III

Job No: PRINCE



SAMPLE INFORMATION

Sample Number	VCP440242	VCP431756	VCP436063	VCP418306
Sample Date	07 Jun 2024	26 Dec 2023	20 Sep 2023	30 Jun 2023
Machine Hours	3112	2127	1554	1057
Oil Hours	0	0	0	1057
Oil Changed	Not Changd	N/A	N/A	Not Changd
Sample Status	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

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OIL CONDITION

Visc @ 40°C	cSt	27.0	27.4	26.2	27.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	17	15	11	14
Sodium	ppm	3	6	6	3
Potassium	ppm	3	2	2	<1

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The iron level is abnormal. All other 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.



WEAR METALS

Iron	ppm	336	261	234	182
Copper	ppm	14	11	11	8
Lead	ppm	<1	0	<1	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	2	2	2	2
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	<1	<1	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	11	10	10	9
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	128	73	83	83
Magnesium	ppm	3	2	<1	2
Zinc	ppm	59	28	69	26
Phosphorus	ppm	208	196	175	204
Barium	ppm	0	0	<1	<1
Boron	ppm	67	60	36	80

Depot: VOLVO0093
Unique No: 11075685
Signed: Angela Borella
Report Date: 14 Jun 2024

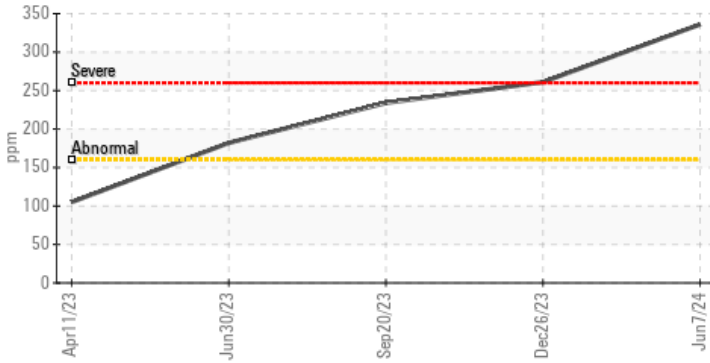


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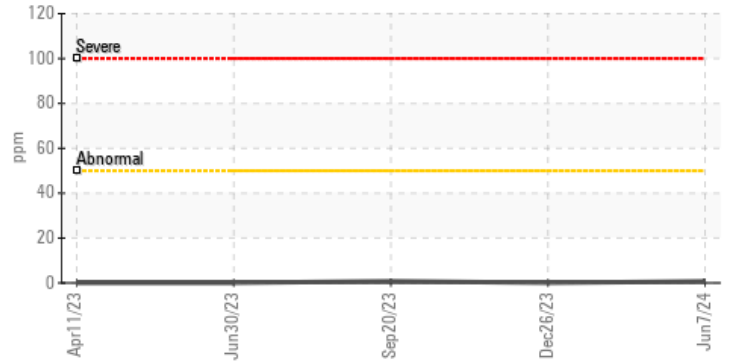


GRAPHS

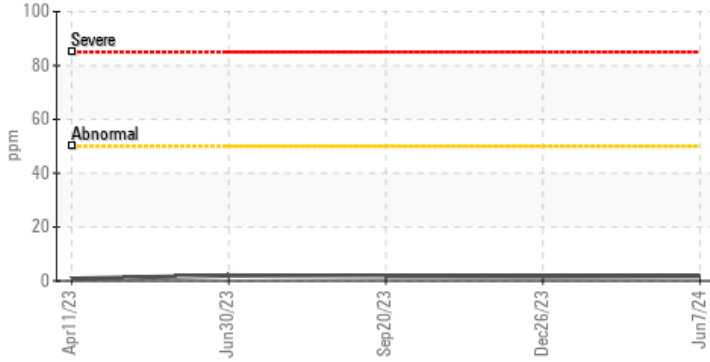
▲ Iron (ppm)



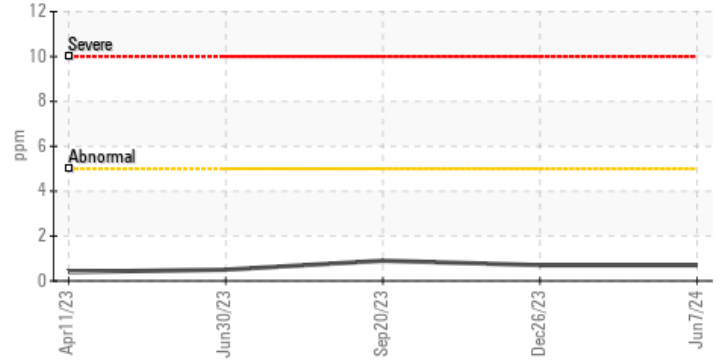
Lead (ppm)



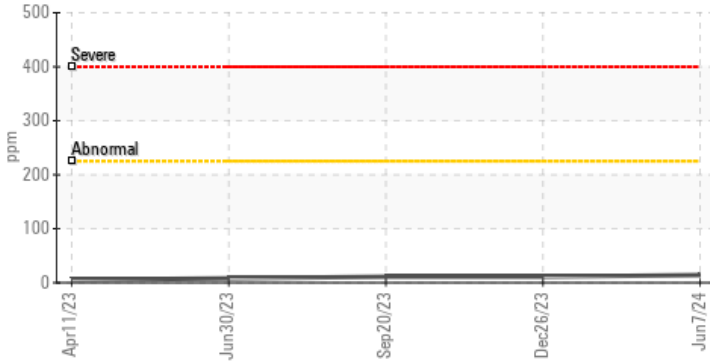
Aluminum (ppm)



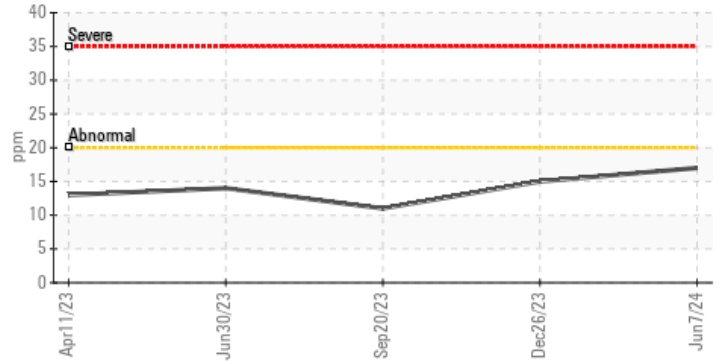
Chromium (ppm)



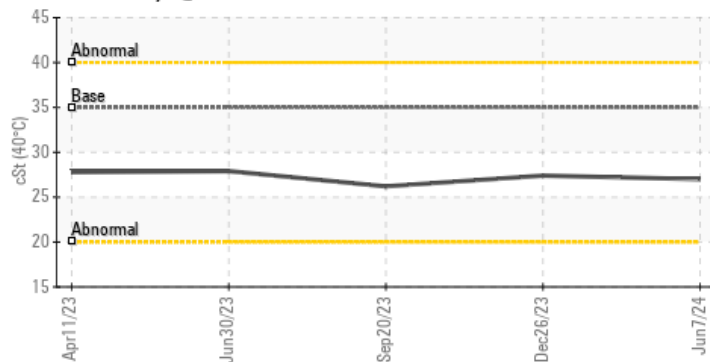
Copper (ppm)



Silicon (ppm)



Viscosity @ 40°C



Additives

