



CONSTRUCTION EQUIPMENT

10165 TOLSON ALJON 30131 - REAR LEFT FINAL DRIVE



Sample No: VCP447914
Oil Type: SHELL SPIRAX HD 85W140
Job No: 10165 TOLSON



SAMPLE INFORMATION

Sample Number	VCP447914	VCP426072	VCP423115	VCP407905
Sample Date	08 Jan 2024	20 Sep 2023	24 Jul 2023	01 Jun 2023
Machine Hours	2490	1938	1665	1445
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Changed	Not Chngd	Not Chngd
Sample Status	NORMAL	ABNORMAL	NORMAL	NORMAL

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24024 FREDERICK ROAD
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F:



OIL CONDITION

Visc @ 40°C	cSt	314	292	294	294
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	3	3
Sodium	ppm	0	4	1	1
Potassium	ppm	<1	6	<1	<1

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	278	▲ 533	370	343
Copper	ppm	2	6	6	4
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	<1
Aluminum	ppm	<1	<1	2	<1
Chromium	ppm	2	4	3	3
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	3	6	4	4
Vanadium	ppm	0	0	<1	0



ADDITIVES

Calcium	ppm	41	94	131	118
Magnesium	ppm	1	6	<1	0
Zinc	ppm	9	45	52	32
Phosphorus	ppm	626	933	946	1023
Barium	ppm	0	0	0	0
Boron	ppm	62	153	175	192

Depot: PLECLA
Unique No: 10829784
Signed: Don Baldrige
Report Date: 14 Jan 2024



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VOLVO GRAPHS

