



CONSTRUCTION EQUIPMENT

9328 TOLSON ALJON 30131 - REAR LEFT FINAL DRIVE



Sample No: VCP423115
Oil Type: SHELL SPIRAX HD 85W140
Job No: 9328 TOLSON



SAMPLE INFORMATION

Sample Number	VCP423115	VCP407905	VCP387936	VCP405218
Sample Date	24 Jul 2023	01 Jun 2023	17 Apr 2023	20 Feb 2023
Machine Hours	1665	1445	1162	861
Oil Hours	0	0	0	0
Oil Changed	Not Chngd	Not Chngd	Not Chngd	Not Chngd
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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 24024 FREDERICK ROAD
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OIL CONDITION

Visc @ 40°C	cSt	294	294	294	296
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CONTAMINATION

Silicon	ppm	3	3	3	2
Sodium	ppm	1	1	<1	0
Potassium	ppm	<1	<1	0	0

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	370	343	303	155
Copper	ppm	6	4	4	1
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	0	0
Aluminum	ppm	2	<1	<1	<1
Chromium	ppm	3	3	3	<1
Molybdenum	ppm	<1	<1	<1	0
Nickel	ppm	<1	<1	0	0
Titanium	ppm	<1	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	4	2
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	131	118	146	110
Magnesium	ppm	<1	0	1	6
Zinc	ppm	52	32	52	48
Phosphorus	ppm	946	1023	1005	829
Barium	ppm	0	0	0	0
Boron	ppm	175	192	235	227

Depot: PLECLA
Unique No: 10586777
Signed: Wes Davis
Report Date: 04 Aug 2023



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GRAPHS

