

LIEBHERR

CONSTRUCTION EQUIPMENT



021388-783 LIEBHERR R954 021388-783 - Right Final Drive

Sample No: DJJ0017661

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	DJJ0017661	DJJ0016559	DJJ0011522	DJJ0004617
Sample Date	25 Oct 2023	15 Feb 2023	24 Nov 2021	14 Jun 2021
Machine Hours	4778	3842	2007	1322
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Not Changd
Sample Status	NORMAL	ATTENTION	NORMAL	NORMAL

RIVER METALS RECYCLING - NEWPORT
P.O. BOX 72-220
NEWPORT, KY
US 41072
Contact: RYAN BOWDEN



OIL CONDITION

Visc @ 40°C	cSt	111	99.3	188	217
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T:
F: (859)291-0086



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	19	54	10	32
Sodium	ppm	2	3	3	3
Potassium	ppm	2	3	2	3

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	106	242	97	211
Copper	ppm	12	28	32	69
Lead	ppm	0	0	<1	<1
Tin	ppm	0	<1	<1	1
Aluminum	ppm	6	17	10	15
Chromium	ppm	1	3	1	2
Molybdenum	ppm	0	<1	<1	<1
Nickel	ppm	1	3	<1	2
Titanium	ppm	<1	1	<1	1
Silver	ppm	0	0	<1	0
Manganese	ppm	2	4	2	5
Vanadium	ppm	<1	<1	<1	<1



ADDITIVES

Calcium	ppm	54	132	94	108
Magnesium	ppm	18	20	15	21
Zinc	ppm	0	23	28	6
Phosphorus	ppm	302	622	2183	1670
Barium	ppm	0	0	0	0
Boron	ppm	2	10	72	26

Depot: RIVNEW
Unique No: 10715891
Signed: Angela Borella
Report Date: 31 Oct 2023



GRAPHS

