



**LUBRIPORT
LABORATORIES
INC.**

1650 AIRLINE DRIVE
KENNER, LA 70062

(504) 464-1734

NEW ORLEANS PUBLIC
BELT RAILROAD
JOSH HARPER

LOCO 3001
COMPRESSOR

CP #056

MODERATE RISE IN
IRON DETECTED. RE-
MAINING WEAR METALS
ARE RELATIVELY STA-
BLE. NO IMMEDIATE
ACTION REQUIRED.

TRACE OF FINE, FER-
ROUS WEAR DEBRIS
VISIBLE IN HAZY,
AMBER OIL. SERIOUS
PROBLEM UNLIKELY.

OIL SUITABLE FOR
CONTINUED USE. NO
UNUSUAL WEAR OR
CONTAMINATION
FOUND.

NO PROBLEMS AP-
PARENT FROM THIS
ANALYSIS. WEAR
AND CONTAMINATION
LEVELS ARE NORMAL.

SAMPLE IS CLEAN AND
DRY. WEAR METALS
ARE REDUCED. NO
CORRECTIVE ACTION
NECESSARY.

INVOICE NO.	LL-64071	LL-64599	LL-65216	LL-65498	LL-65932
REPORT DATE:	FEBRUARY 5, 2019	MAY 21, 2019	SEPTEMBER 18, 2019	NOVEMBER 14, 2019	FEBRUARY 21, 2020
DATE SAMPLE REC'D:	JANUARY 18, 2019	MAY 7, 2019	AUGUST 29, 2019	NOVEMBER 8, 2019	FEBRUARY 10, 2020
PRODUCT	COMPRESSOR OIL	COMPRESSOR OIL	COMPRESSOR OIL	COMPRESSOR OIL	COMPRESSOR OIL
LAB NUMBER	1-624	5-263	8-962	11-223	2-255
DATE SAMPLED	1/7/19	4/9/19	7/15/19	10/7/19	1/9/20
VISC. SUS @ 100 F	366 SECS.	359 SECS.	352 SECS.	361 SECS.	350 SECS.
VISC. KIN @ 100 F	76.9 CST.	77.5 CST.	75.8 CST.	77.8 CST.	75.5 CST.
PENTANE INSOLUBLES	TRACE	0.05%	TRACE	TRACE	NIL
WATER	NIL	0.05%	TRACE	TRACE	NIL
METALS					
IRON	46	49	45	27	7.8
SILVER	0.0	0.0	0.0	0.0	0.0
ALUMINUM	0.0	0.2	0.2	0.7	0.2
CHROMIUM	1.5	1.0	0.4	1.0	0.2
COPPER	2.2	2.9	2.4	3.6	1.0
MAGNESIUM	1.8	4.0	4.8	12.8	11.9
SODIUM	8.2	11.8	6.8	2.4	1.0
NICKEL	1.0	1.5	1.0	0.3	0.2
LEAD	2.1	0.2	0.2	2.0	1.5
SILICON	2.0	2.3	2.7	7.7	3.6
TIN	0.0	0.0	0.0	0.6	0.6
TITANIUM	0.0	0.0	0.0	0.4	0.1
BORON	0.0	0.0	0.0	0.9	0.5
BARIUM	1.6	1.0	0.2	0.7	0.1
MOLYBDENUM	2.8	2.3	1.4	0.3	0.1
VANADIUM	0.0	0.0	0.1	0.1	0.1
ZINC	24	16.7	15.3	257	247
MANGANESE	0.0	0.0	0.0	0.8	0.6
CALCIUM	87	125	88	105	82
PHOSPHORUS	17.2	9.5	6.3	202	200

Josh Harper