



**LUBRIPORT
LABORATORIES
INC.**

1650 AIRLINE DRIVE
KENNER, LA 70062

(504) 464-1734

NEW ORLEANS PUBLIC
BELT RAILROAD
JOSH/BANJO

LOCO 4002
ENGINE

CP #074

HIGH SODIUM APPAR-
ENTLY PART OF ADDI-
TIVE FORMULATION.
WATER CONTENT IS
NORMAL. SPRING
RESAMPLE SUGGESTED.

CONDITION OF OIL IS
RELATIVELY STABLE.
NO CORRECTIVE AC-
TION NECESSARY.

WATER CONTENT AND
WEAR METALS INCREAS-
ED SLIGHTLY WITH
REDUCED SODIUM CON-
CENTRATION. NO
IMMEDIATE ACTION
REQUIRED.

INVOICE NO.	LL-64071	LL-64599	LL-65216	
REPORT DATE:	FEBRUARY 5, 2019	MAY 21, 2019	SEPTEMBER 18, 2019	
DATE SAMPLE REC'D:	JANUARY 18, 2019	MAY 7, 2019	AUGUST 29, 2019	
PRODUCT	LUBE OIL	LUBE OIL	LUBE OIL	
LAB NUMBER	1-625	5-266	8-969	
DATE SAMPLED	12/27/18	3/26/19	6/25/19	
VISC. SUS @ 210 F	81.2 SECS.	78.2 SECS.	76.0 SECS.	
VISC. KIN @ 210 F	15.82 CST.	15.06 CST.	14.52 CST.	
T.B.N. (D2896)	7.9	8.0	7.9	
PENTANE INSOLUBLES	0.3%	0.3%	0.25%	
WATER BY DISTILLATION	0.1%	0.1%	0.15%	
SAE WEIGHT	40 WT.	40 WT.	40 WT.	
DILUTION	NIL	NIL	NIL	
METALS				
IRON	14.5	17.4	19.5	
SILVER	0.0	0.1	0.0	
ALUMINUM	2.5	2.2	2.7	
CHROMIUM	1.7	1.5	1.2	
COPPER	6.9	7.0	9.3	
MAGNESIUM	8.0	10.2	14.7	
SODIUM	939	753	215	
NICKEL	0.7	1.2	0.7	
LEAD	9.3	9.0	8.4	
SILICON	3.4	5.5	9.8	
TIN	0.0	0.0	0.0	
TITANIUM	0.0	0.4	0.0	
BORON	1.0	11.3	30	
BARIUM	1.7	1.3	0.8	
MOLYBDENUM	46	41	27	
VANADIUM	0.0	0.0	0.0	
ZINC	2.0	4.3	5.2	
MANGANESE	0.0	0.0	0.0	
CALCIUM	2693	2805	2736	
PHOSPHORUS	40	38	31	

Josh Filardi